Maths 4 U

Second Grade

EnglisHouse

Maths 4 U Second Grade

Serie Maths 4 U

Libro metodología CLIL aplicada al aprendizaje y práctica de matemáticas en inglés como lengua extranjera.

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HOW MANY

MONSTERS DO YOU SEE?

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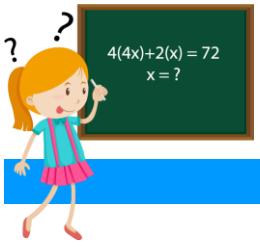

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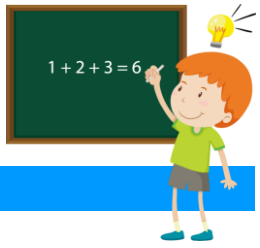

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UNIT 1 Numbers to 100

Read and answer the questions.

A pig has 4 legs.

How many legs do 2 piglets have? _____

How many legs do 5 piglets have? _____

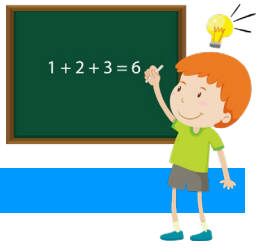
How many legs do 7 piglets have? _____

How many legs do 9 piglets have? _____

How many legs do 10 piglets have? _____

- **Look and read the numbers.**

1	one	**11**	eleven	**20**	twenty
2	two	**12**	twelve	**30**	thirty
3	three	**13**	thirteen	**40**	forty
4	four	**14**	fourteen	**50**	fifty
5	five	**15**	fifteen	**60**	sixty
6	six	**16**	sixteen	**70**	seventy
7	seven	**17**	seventeen	**80**	eighty
8	eight	**18**	eighteen	**90**	ninety
9	nine	**19**	nineteen	**100**	one hundred
10	ten				



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Draw lines to match the numbers with the words.

99	•	•	fifty-eight
50	•	•	thirty-three
45	•	•	ninety-nine
33	•	•	eighty-eight
67	•	•	forty-five
11	•	•	fifty
58	•	•	sixty-seven
88	•	•	eleven

Find the missing numbers.

51		**53**		**55**		**57**		**59**	**60**
61	**62**		**64**		**66**		**68**		**70**
71		**73**		**75**		**77**			**80**
81			**84**		**86**		**88**		**90**
91		**93**		**95**		**97**			**100**

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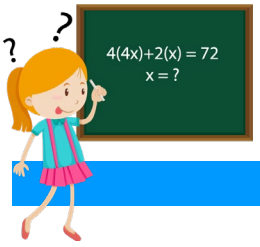
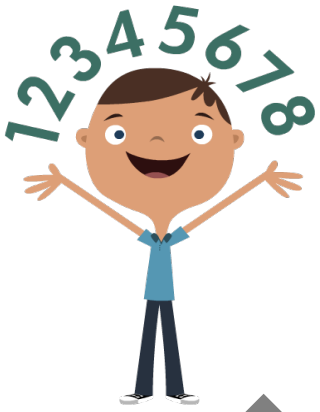


Put the sets of numbers in order.

48	50	23		23	48	50
27	19	31		.....	.....	.....
64	87	78		.....	.....	.....
52	35	42		.....	.....	.....
30	21	19		.....	.....	.....
84	92	73		.....	.....	.....



Write the numbers that come before and after.

What comes before?		What comes after?	
←	91	26	→
←	34	89	→
←	63	98	→
←	20	36	→
←	87	18	→

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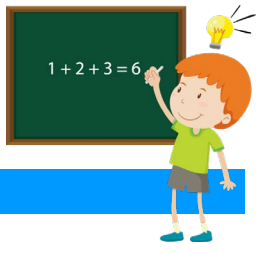

You're up!

Look and write numbers or words.

10	twenty		five
	thirty	15	
40			twenty five
	fifty	35	
60			forty five
	seventy		fifty five
	eighty	65	
90			seventy five
	one hundred		eighty five
		95	

Read and choose the correct number.

78	12	68	39	100	52

1. What number comes before forty? .....
2. What number comes after fifty-one? .....
3. What number comes before thirteen? .....
4. What number comes after seventy-seven? .....
5. What number comes before sixty-nine? .....
6. What number comes after ninety-nine? .....

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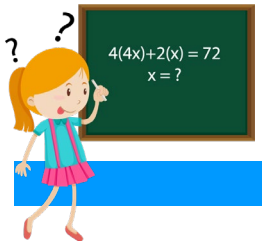


Place value

Read and write a letter on each line.

a) 920 b) 101
c) 985 d) 546

This number has a four in the tens place. It has a six in the ones place and a five in the hundreds place.
.....

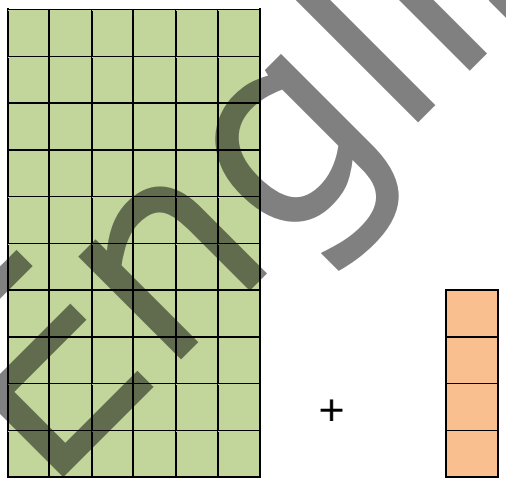
This number has a zero in the ones place. It has a nine in the hundreds place and a two in the tens place.
.....

This number has a one in the hundreds place. It has a zero in the tens place and a one in the ones place.
.....

This number has an eight in the tens place. It has a five in the ones place and a nine in the hundreds place.
.....

Read and look.

Numbers can represent different amounts when they appear in different places or forms.



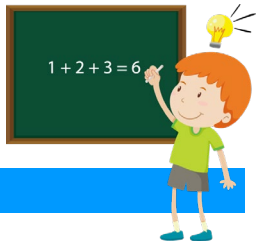
\+

=

10	20	30	40	50	60	
9	19	29	39	49	59	
8	18	28	38	48	58	
7	17	27	37	47	57	
6	16	26	36	46	56	
5	15	25	35	45	55	
4	14	24	34	44	54	64
3	13	23	33	43	53	63
2	12	22	32	42	52	62
1	11	21	31	41	51	61

6 tens + 4 ones = 6 4

60 + 4 = 64



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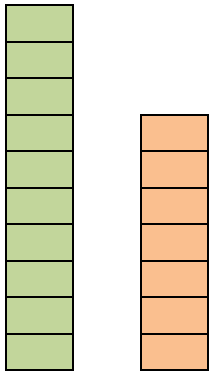
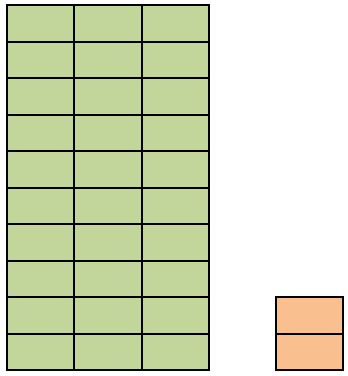
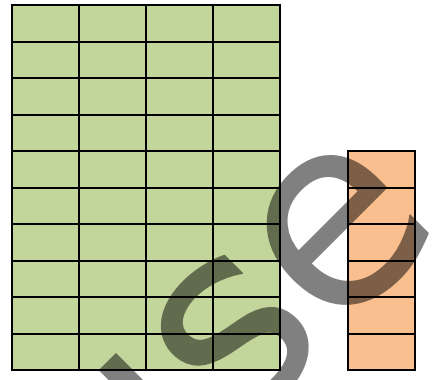
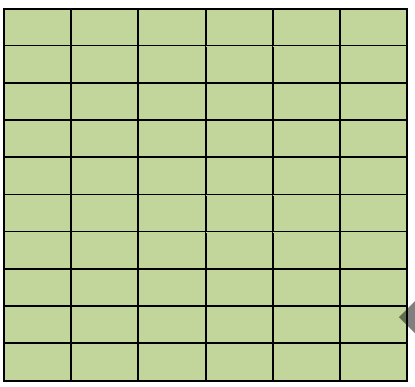
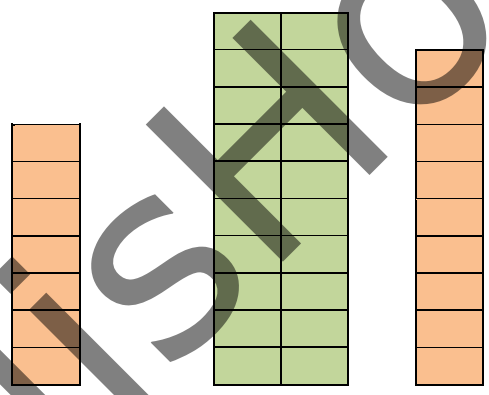
Look and count. Then write the numbers.

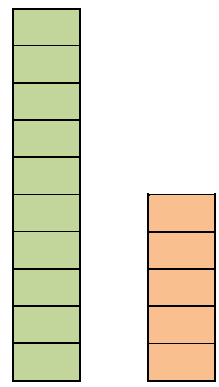


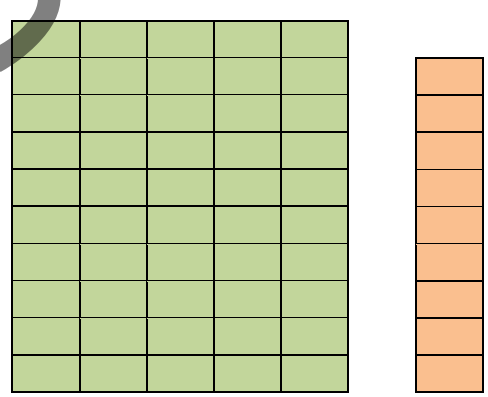


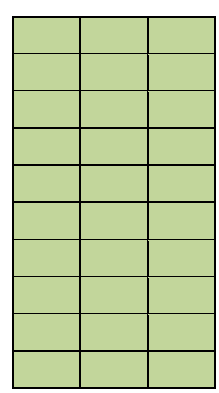


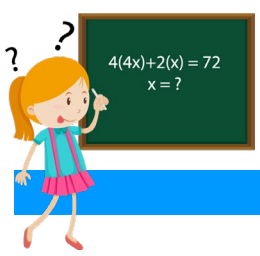












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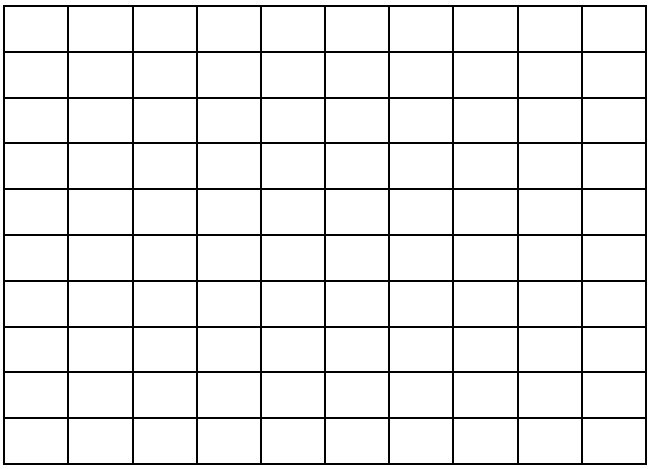
- Look and

Colour to illustrate the numbers.



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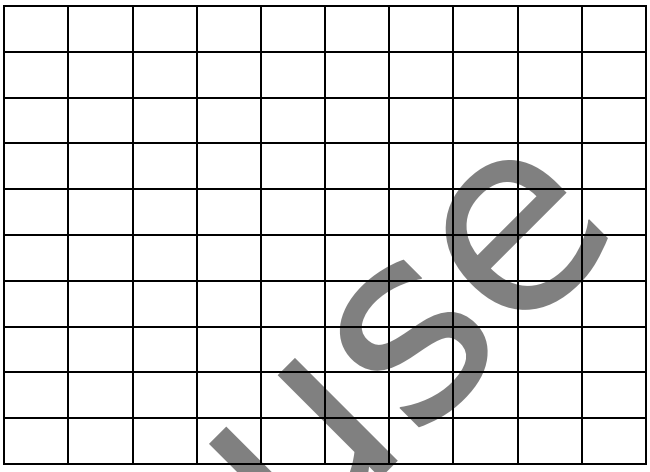

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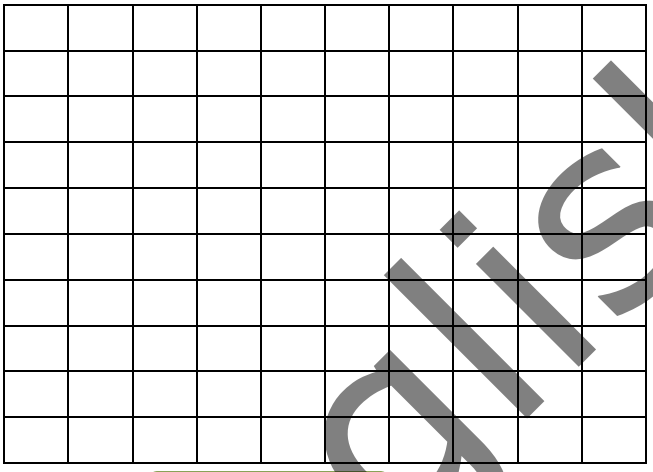

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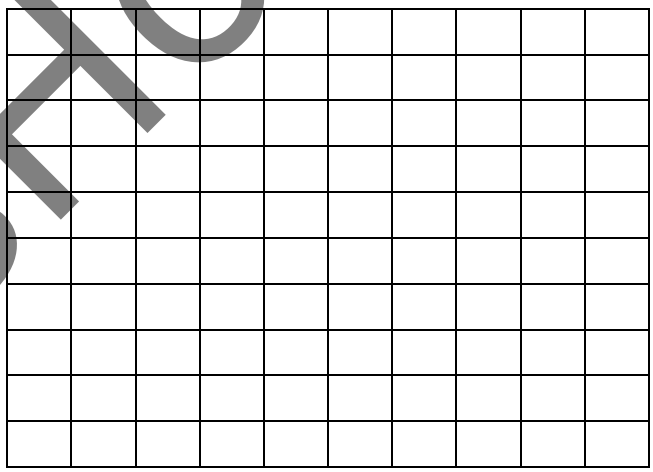

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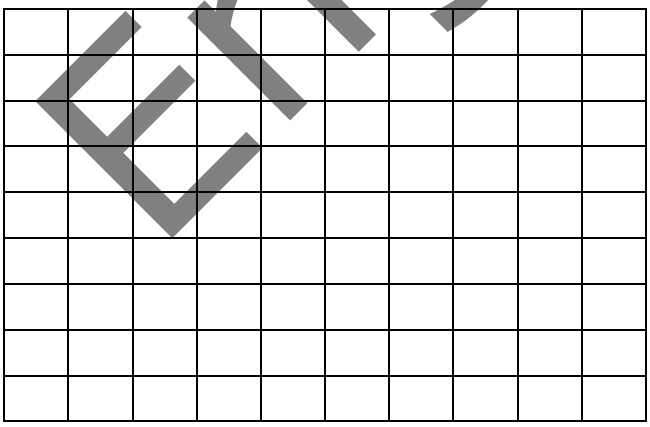

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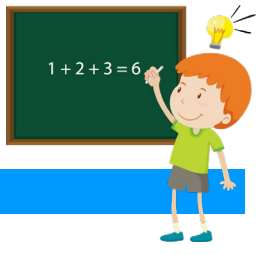

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Look and write what tens and ones numbers make the totals.

tens 10's	ones 1's
2	0
+	5
2	5

.... tens and .... ones = 41 ..... tens and ..... ones = 17

..... tens and ..... ones = 55 ..... tens and ..... ones = 62

..... tens and ..... ones = 83 ..... tens and ..... ones = 28

Look and write what numbers the tens and the ones make.

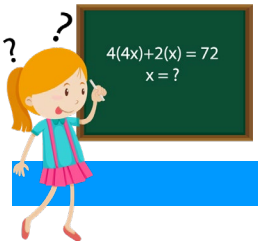
5 tens and 7 ones make the number

8 tens and 2 ones make the number

2 tens and 9 ones make the number

4 tens and 3 ones make the number

6 tens and 6 ones make the number



EnglishHouse

Write the number before and after the number given.

	22	

	11	

	15	

	19	

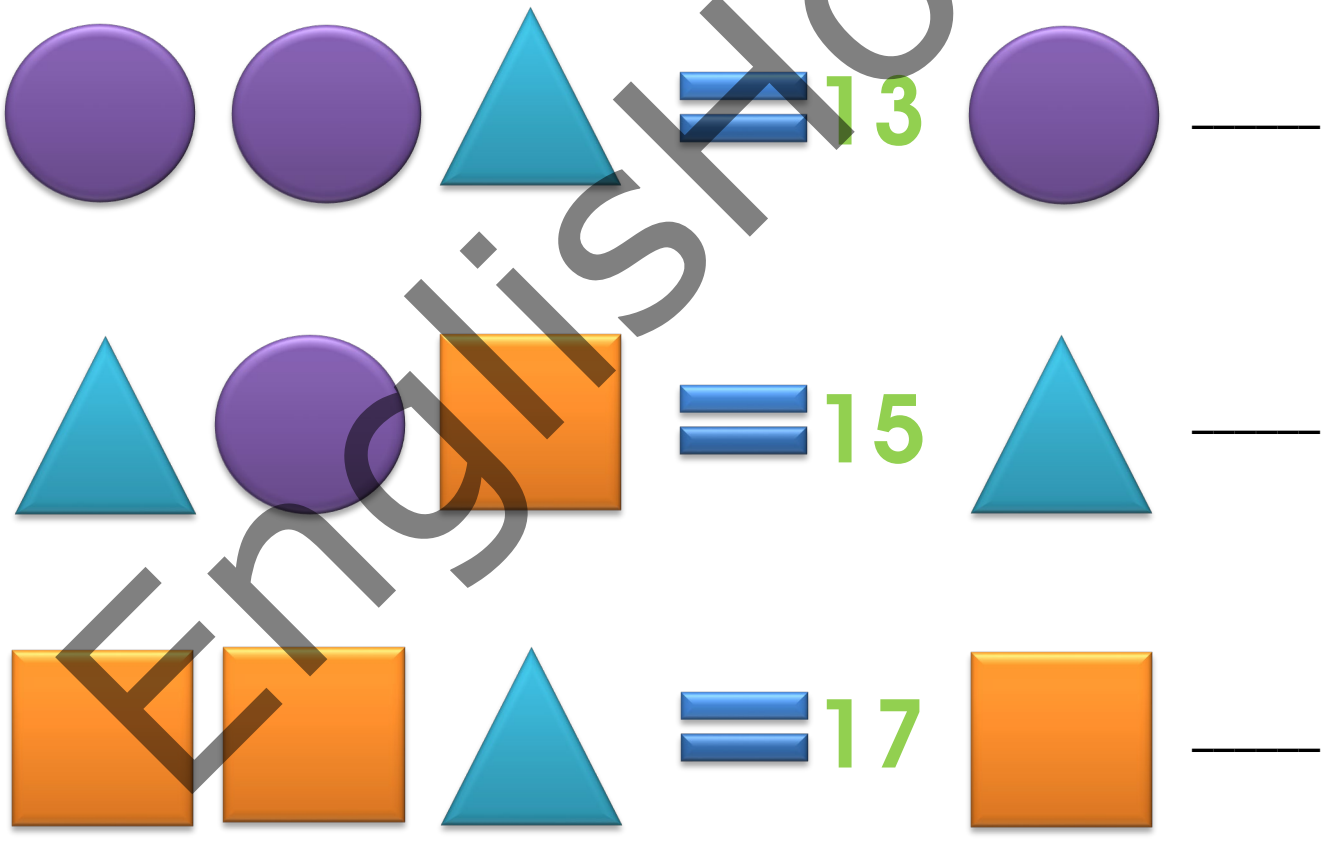
	20	

	27	

	17	

	21	

Find the value of each shape.



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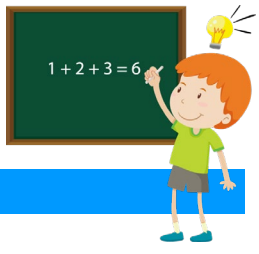


You're up!

Read the definitions and write the words.

1. ……

   It is the system in which the position of a digit in a number determines its value.

2. ……

   It is the place two to the left of the decimal point in a number.

3. ……

   If you have a three-digit number, it has the first place.

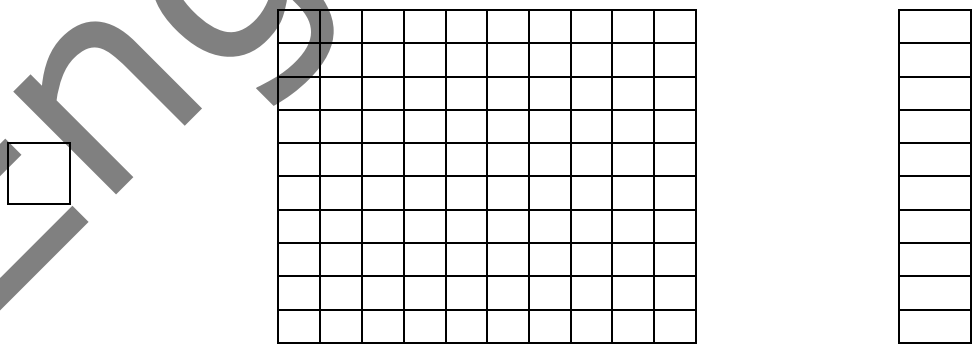
4. ……

   It is the amount you get when several smaller amounts are added together.

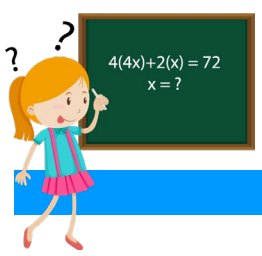
5. ……

   It is the particular form or appearance of something – they are called geometrical bodies.

Look and write what the blocks are examples of.



…… …… ……



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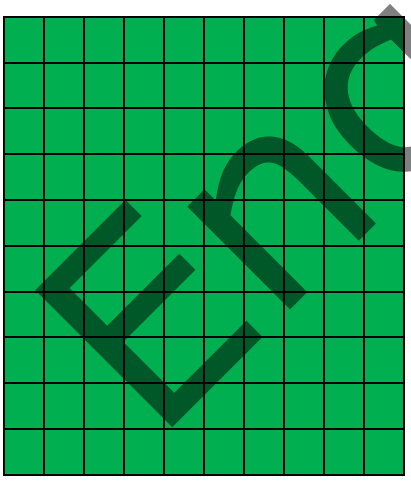
Numbers to 200

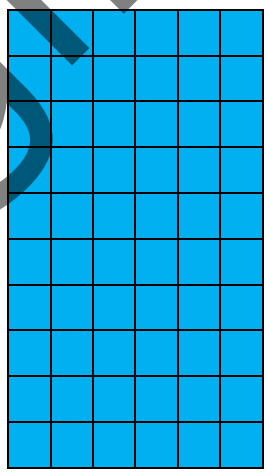
Read and answer the question.
Maria is a dancing teacher. She helps people who can't dance very well.

Every week, she receives $10 from each of her students.
Last week, she had 5 students. This week, 4 students joined the lessons, and 1 student cancelled his lessons.
How much money did Maria earn last week and this week together?

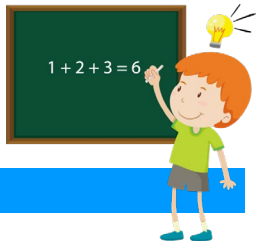
Look at the boxes, count and write.

What number is it?





_____ _____ _____ = ____



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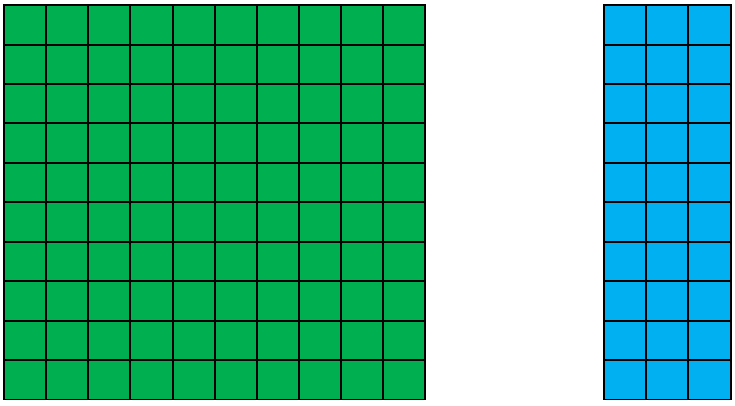
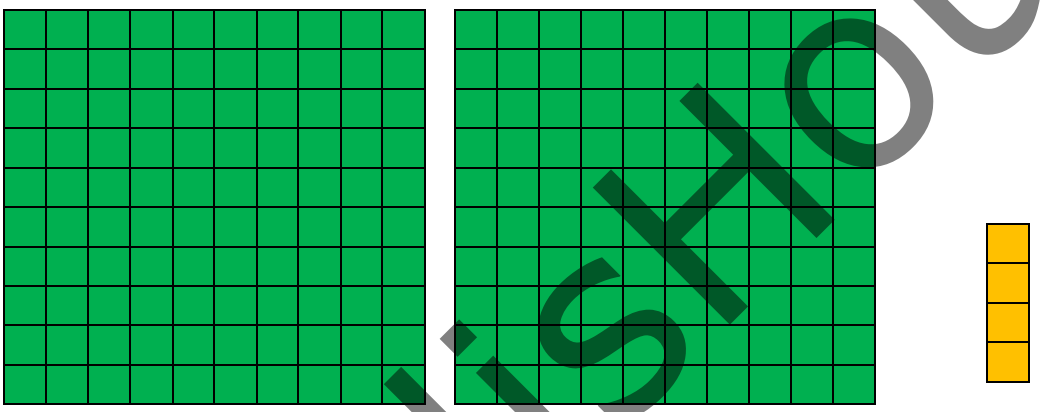
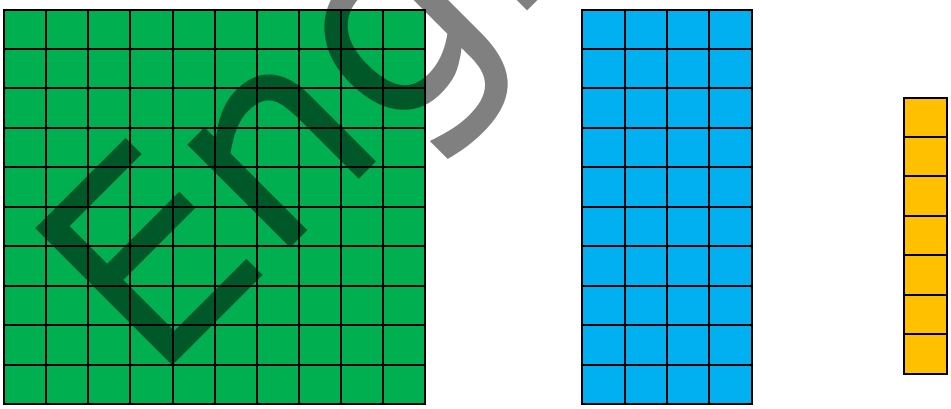
Look, count and write the numbers as words.



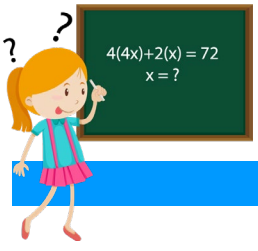
1. _____.



2. _____.



3. _____.



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Look and expand the numbers.

a) 147 = 100 + 40 + 7

b) 161 = ...

c) 129 = ...

d) 198 = ...

e) 153 = ...

f) 182 = ...

g) 142 = ...

Read and circle the correct number in each set.

100 + 80 + 3		
138	**133**	**183**

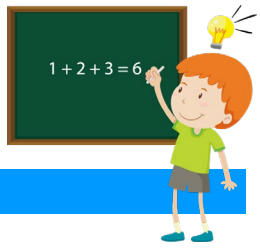
100 + 60 + 2		
126	**162**	**166**

100 + 20 + 8		
182	**128**	**122**

100 + 90 + 1		
191	**119**	**111**

100 + 60 + 3		
163	**136**	**133**

100 + 40 + 5		
154	**155**	**145**



EnglishHouse

Read and colour the box that shows the correct answer.

1 hundreds, 5 tens and 3 ones

135	193	153

1 hundreds, 2 tens and 8 ones

124	128	182

197

700 + 90 + 1
100 + 90 + 7
100 + 70 + 9

136

100 + 60 + 4
100 + 60 + 3
100 + 30 + 6

Read and write the numbers in the standard form.

30 + 3 _____

19 + 500 _____

2 + 40 + 100 _____

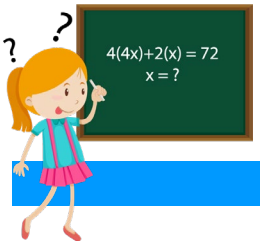
fifty – five _____

2 ones + 1 hundreds _____

3 ones + 1 hundreds + 1 _____

tens _____

EnglishHouse



You're up!

Read and complete the explanation.

total value expanded 121 20

When we write the number _____, what that number means is that we have the _____ of 100 + _____ + 1.

We have expanded the number to show the _____ of each of its digits.

When we expand a number to show the value of each digit, we are writing that number in _____ form.

Read and write the numbers.

one hundred + thirty + five = _____ + _____ + _____ = _____

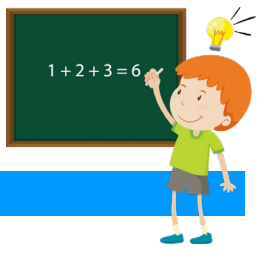
one hundred + ninety + three _____ + _____ + _____ = _____

one hundred + fifty + three _____ + _____ + _____ = _____

one hundred + twenty + eight _____ + _____ + _____ = _____

one hundred + eighty + two _____ + _____ + _____ = _____

EnglishHouse



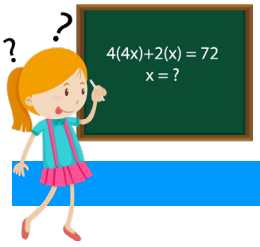
Numbers to 999

Read and answer as fast as you can.
Work with a friend – find the answer for each box.
You have 10 seconds to complete each line.

20-sec mental quiz				
Number	**5 more**	**10 more**	**5 less**	**10 more**
100	105	115	110	120
125				
150				
175				
200				

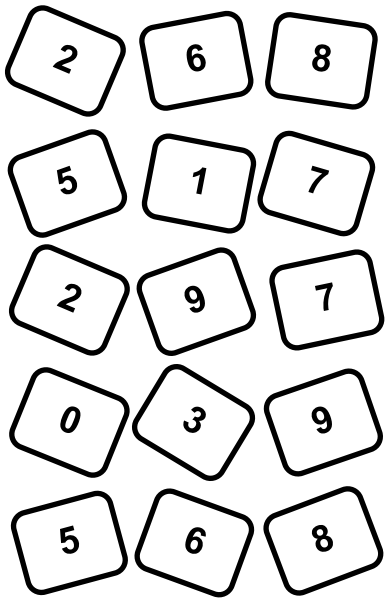
Look, read and spell 5 number words to a friend.

10 ten	**60** sixty	**600** six hundred	**100** one hundred
20 twenty	**70** seventy	**700** seven hundred	**200** two hundred
30 thirty	**80** eighty	**800** eight hundred	**300** three hundred
40 forty	**90** ninety	**900** nine hundred	**400** four hundred
50 fifty	**100** one hundred	**1000** one thousand	**500** five hundred



EnglishHouse

Write the numbers as words.



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.....

Read and write the numbers.

Three hundred and seventy – nine _____

Six hundred and fifty – three _____

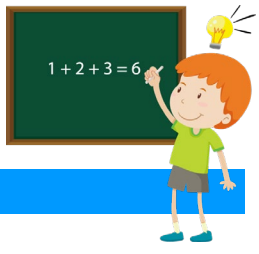
Nine hundred and eighty – seven _____

Four hundred and twelve _____

Five hundred and twenty – six _____

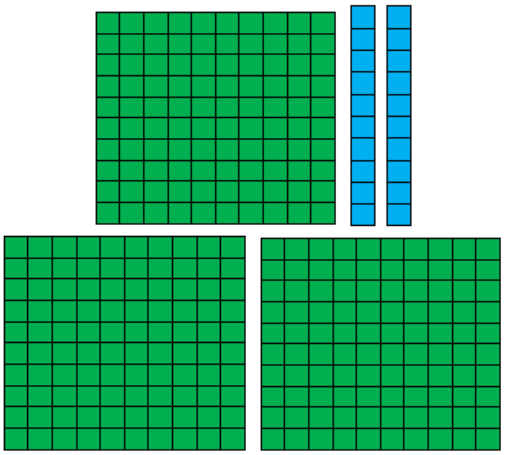
Eight hundred and thirty – one _____

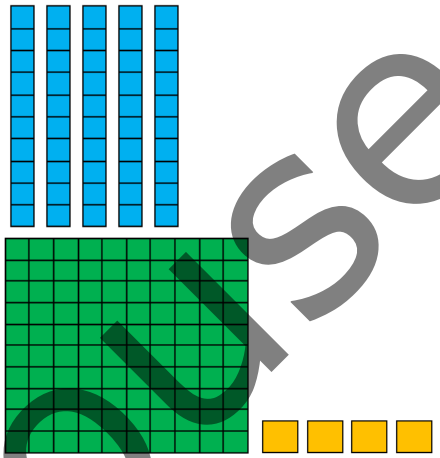
EnglishHouse

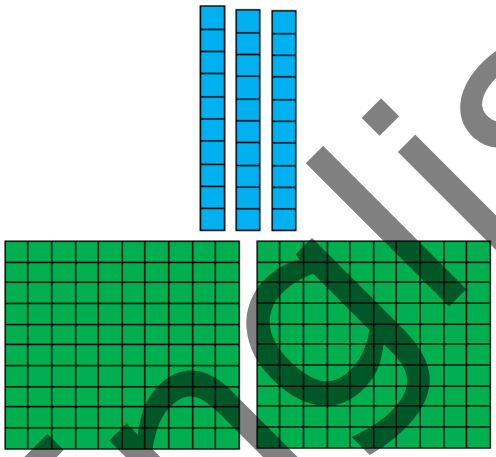


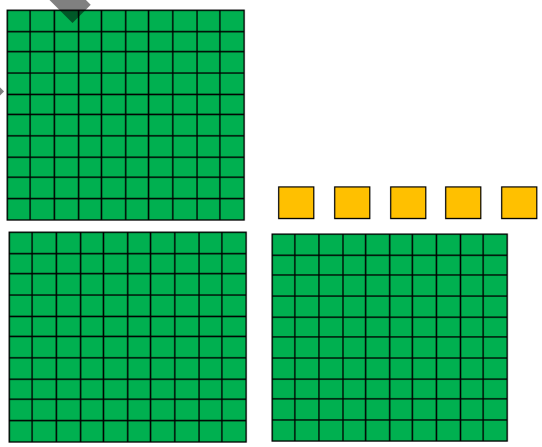
Look, count and write the numbers in the boxes. There is one number you don't need.

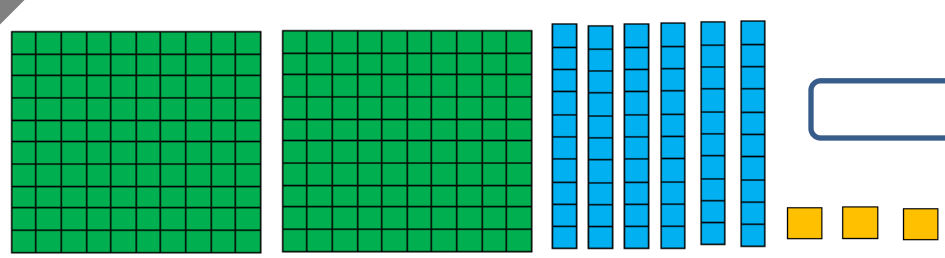
305	230	320	154	263	272

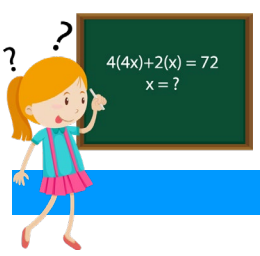












EnglisHouse

Put the numbers in order. Start with the smallest ones.

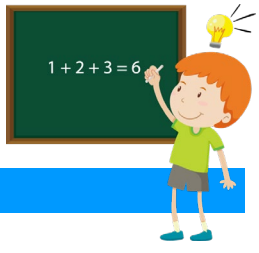
252	512	625	652
_____	_____	_____	_____
625	266	662	552
_____	_____	_____	_____
376	737	535	773
_____	_____	_____	_____
195	76	237	45
_____	_____	_____	_____

Listen to your teacher and write the numbers. Then expand them.

Dictation!

H	T	O	Expanded Form
2	3	6	200 + 30 + 6 = 236
			_____ + _____ + _____ = _____
			_____ + _____ + _____ = _____
			_____ + _____ + _____ = _____
			_____ + _____ + _____ = _____
			_____ + _____ + _____ = _____

EnglishHouse



Look, count and write.

Tens Ones

T	O
*	
*	*
*	*
*	*
*	*

+

T	O
*	
*	*
*	*
*	*
*	*

= ____

T	O
*	
*	
*	*
*	*
*	*

+

T	O
*	
*	

= ____

T	O
*	
*	
*	
*	

+

T	O
*	
*	
*	
*	*
*	*

= ____

T	O
*	
*	
*	
*	
*	

+

T	O
*	
*	
*	
*	*
*	*

= ____

- Look and solve these.

Tens Ones

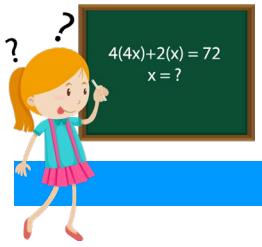
	1	4
+	1	3

	2	6
+	1	0

	3	3
+		5

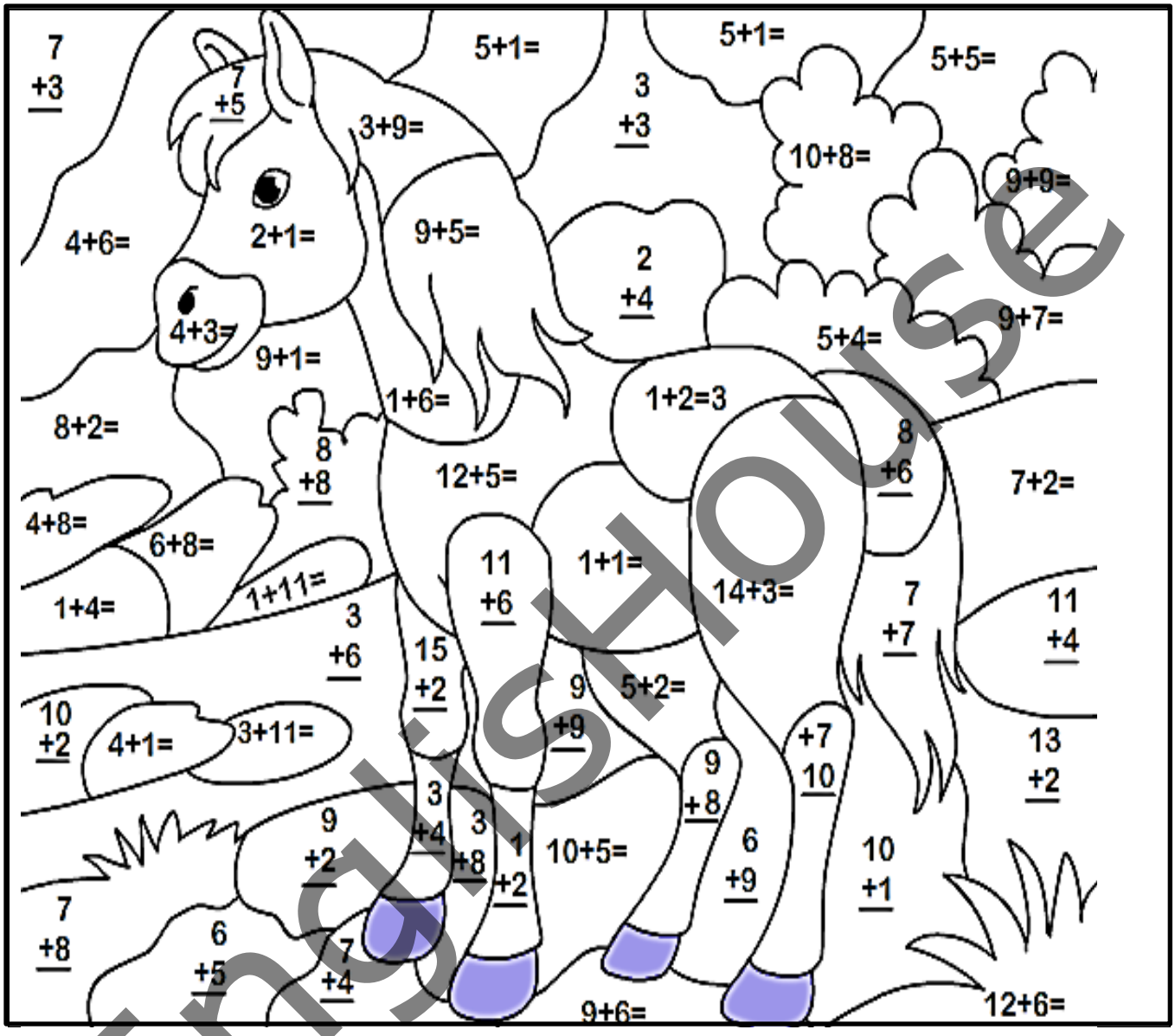
	2	1
+	1	8

	2	9
+	1	0



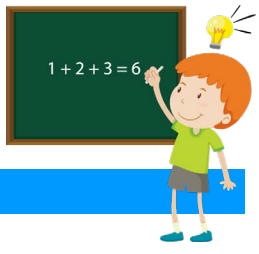
EnglishHouse

Add the given numbers and colour the picture.



57

9, 16, 18		15, 11	10, 6
	7, 3, 2, 17		
		12, 5, 14	

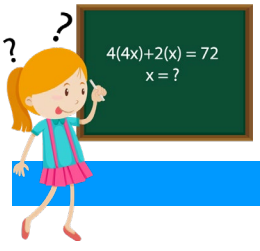


EnglishHouse

Play Bingo!

B	I	N	G	O
19 + 11 = _____	18 + 13 = _____	18 + 17 = _____	18 + 14 = _____	15 + 11 = _____
14 + 13 = _____	17 + 12 = _____	13 + 12 = _____	20 + 17 = _____	15 + 13 = _____
11 + 10 = _____	13 + 10 = _____		13 + 11 = _____	12 + 10 = _____

EnglishHouse



Read and draw lines.

1. A number between 100 and 150.	•	• **328**
2. A number smaller than 100.	•	• **755**
3. A number between 300 and 400.	•	• **127**
4. A number that has 6 tens.	•	• **162**
5. A number that has 5 ones.	•	• **811**
6. A number that has 6 hundreds.	•	• **95**
7. A number that has 2 digits the same.	•	• **615**

Write the value of the blue digit in each number.

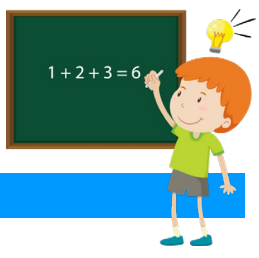
48 = _____ **133** = _____

226 = _____ **193** = _____

834 = _____ **661** = _____

59 = _____ **943** = _____

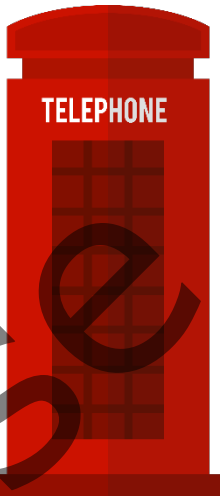
EnglishHouse



Read and answer the questions.

In a public telephone booth, 243 calls are made before noon and 389 calls are made after noon.

Find the number of calls made in a day.

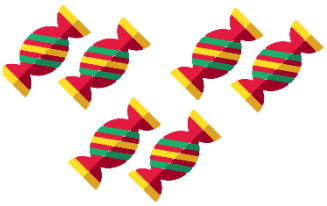


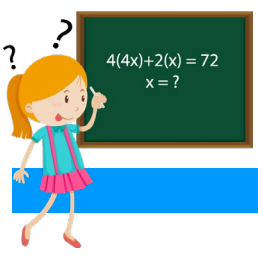
The balloon vendor at the circus sold three hundred forty-four balloons last week. He sold 303 balloons this week.

How many balloons did he sell in both weeks?

In a candy taste test, five hundred seventy-nine children said that they preferred orange candy, while 246 children said they preferred the strawberry ones.

How many children participated in the test?





EnglishHouse

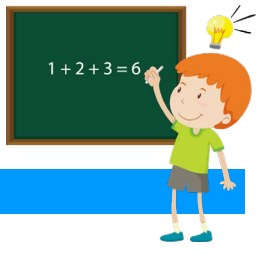
You're up!

Find the words for the numbers.

100	200	300	400	500
600	700	800	900	1000

e	f	y	s	b	g	o	p	g	a	s	n	t
i	o	n	e	h	u	n	d	r	e	d	i	w
g	u	o	v	t	s	e	o	q	f	i	n	o
h	r	i	e	o	c	t	i	v	i	u	e	h
t	h	d	n	q	g	h	g	h	v	g	h	u
h	u	w	h	t	r	o	t	a	e	t	u	n
u	n	i	u	b	t	u	s	y	h	f	n	d
n	d	b	n	j	b	s	b	c	u	d	d	r
d	r	t	d	s	l	a	q	j	n	a	r	e
r	e	y	r	b	p	n	y	s	d	p	e	d
e	d	y	e	g	u	d	f	y	r	o	d	w
d	c	h	d	a	f	h	j	n	e	j	s	t
s	i	x	h	u	n	d	r	e	d	m	g	v
s	t	h	r	e	e	h	u	n	d	r	e	d

EnglishHouse



UNIT 2 Subtraction

Read and answer the question.

There is a new kennels in the city.

It can hold 91 dogs.

At this moment, 67 dogs are taken care of.

How many more dogs can be brought here?

Read and complete the example.

You can use a number line to find out the difference between two numbers.

Example:

What's the difference between 3 and 16?

Count from 3 to 16 to find out.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

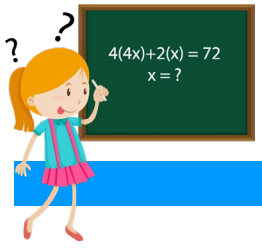
The difference between 3 and 16 is _____ .

Counting from 3 to 10 is _____.

Counting from 10 to 16 is _____.

Counting from 3 to 12 is _____.

Counting from 10 to 15 is _____.



EnglishHouse

Use the number line to find the difference between the numbers.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

a) Counting from 14 to 16 is _____ . b) Counting from 11 to 18 is _____ .

c) Counting from 8 to 14 is _____ . d) Counting from 7 to 13 is _____ .

Use the number table to answer these. This time, count backwards.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

a) 12 – 4 = ... b) 13 – 6 = ... c) 20 – 5 = ...

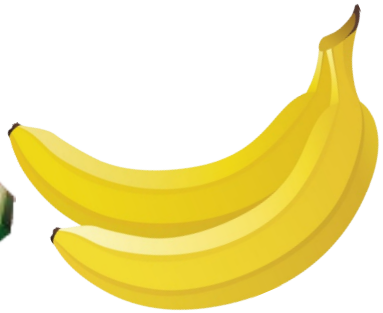
d) 15 – 7 = ... e) 19 – 0 = ... f) 14 – 10 = ...

Look and find the difference between the pairs of numbers. Then draw lines to match them with the correct basket.

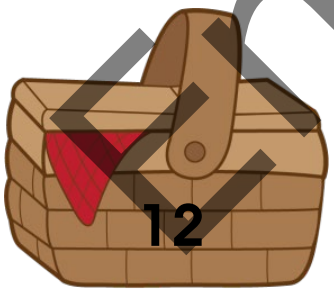
1 15

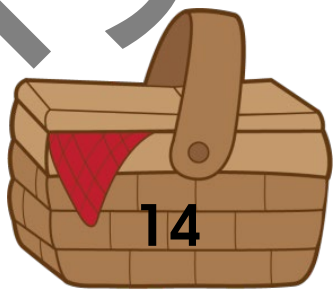
8 17

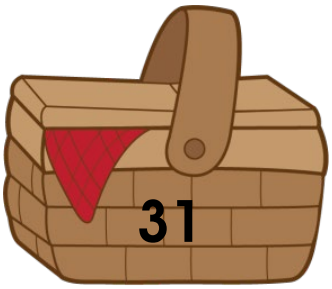
7 19

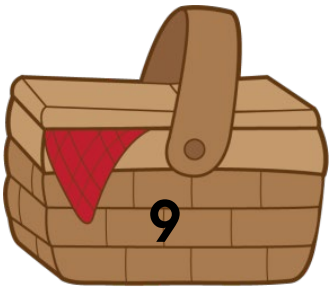


1 32

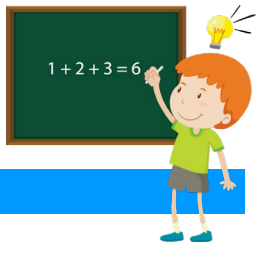








EnglishHouse



Look, read and practise.

Subtracting (tens)

9 - 4 = 5

					X	X	X	X	

9 tens - 4 tens = 5 tens **90 - 40 = 50**

					X	X	X	X
					X	X	X	X
					X	X	X	X
					X	X	X	X
					X	X	X	X
					X	X	X	X
					X	X	X	X
					X	X	X	X
					X	X	X	X
					X	X	X	X

Answer these.

a) 4 – 2 = _____

40 – 20 = _____

b) 6 – 3 = _____

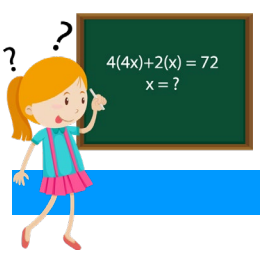
60 – 30 = _____

c) 7 – 5 = _____

70 – 50 = _____

d) 9 – 1 = _____

90 – 10 = _____

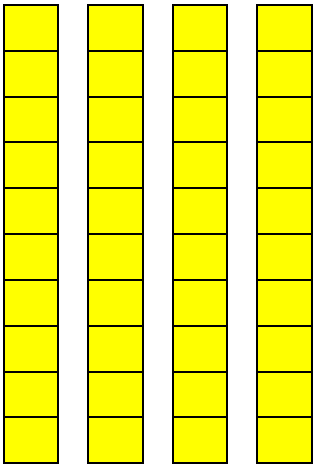


EnglishHouse

Look and count to answer the subtractions.

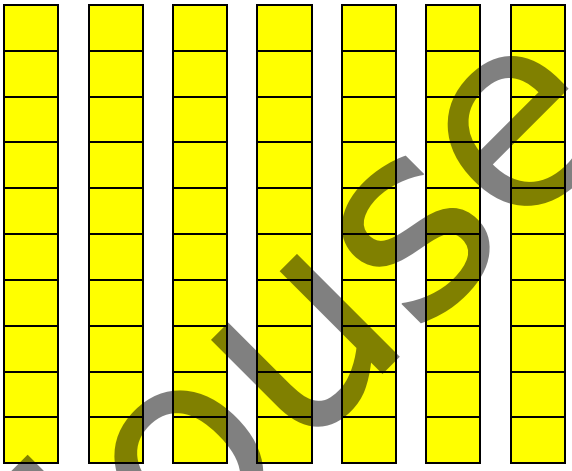
“Cross out squares - if necessary.”

a)



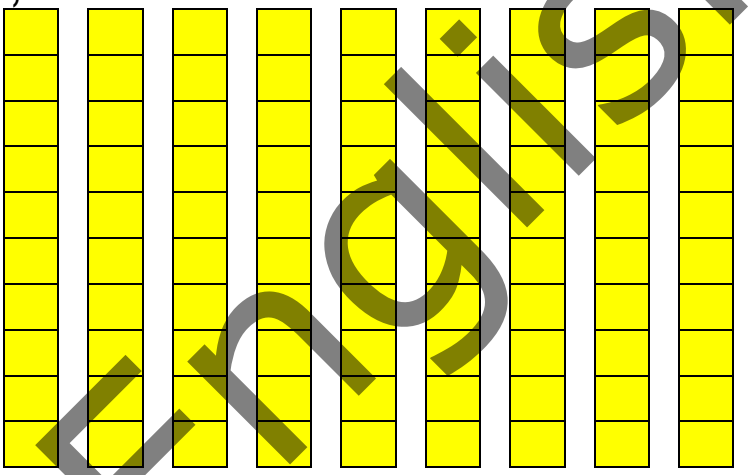
_____ - 30 = _____

b)



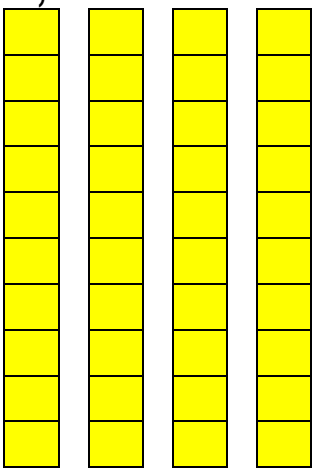
_____ - 20 = _____

c)



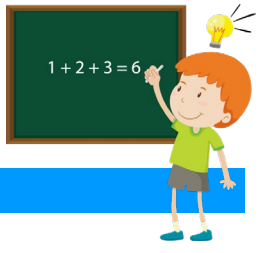
_____ - 60 = _____

d)



_____ - 30 = _____

English House



Read, look and complete.

Subtracting (tens – units)

Break up numbers into tens and units.

Example:

28 - 3 = 25 **20 + 8 - 3 = 20 + 5 = 25**

This can also be written in columns:

	T	U
	2	8
-		3
	2	5

Subtract the units

Subtract the tens

8 - 3 = 5
20 - 0 = 20
25

Complete these.

Example:

28 – 3 = 25

20 + 8 – 3 = 25

a)

36 – 4 = _____

30 + _____ - 4 = _____

b)

45 – 2 = _____

40 + _____ - 2 = _____

c)

26 – 3 = _____

20 + _____ - 3 = _____

d)

48 – 6 = _____

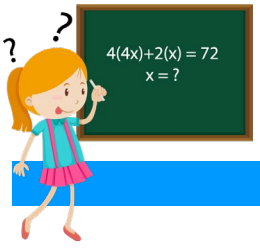
40 + _____ - 6 = _____

e)

39 – 4 = _____

30 + _____ - 4 = _____

EnglishHouse



Answer these.

a) 35 – 3 = _____ b) 27 – 5 = _____ c) 39 – 7 = _____

a) 37 b) 49 c) 25
- 5 - 4 - 2
_____ _____ _____

a) 47 - _____ = 41 b) 39 - _____ = 32 c) 25 - _____ = 21

Read and complete.

Subtracting (tens / units – tens)

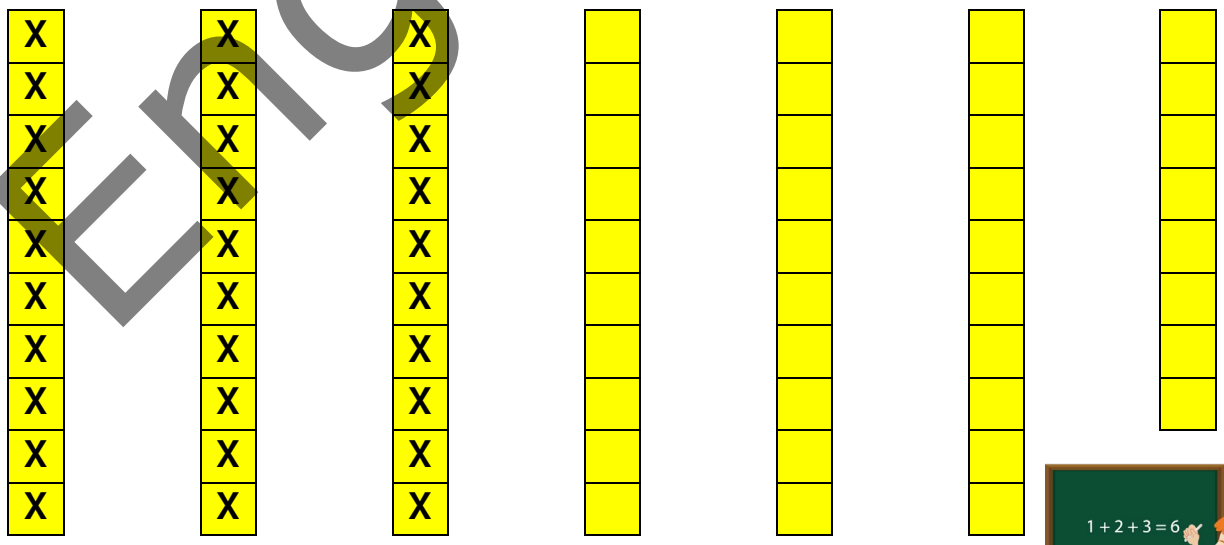
This example shows how you can do it with bars.

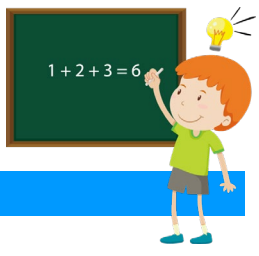
68 - 30 = 38 ✓

Break up the number: 68 = _____ + 8

Subtract 30 from 60: 60 – 30 = _____

Now add 8 to 30: 30 + 8 = _____ ✓





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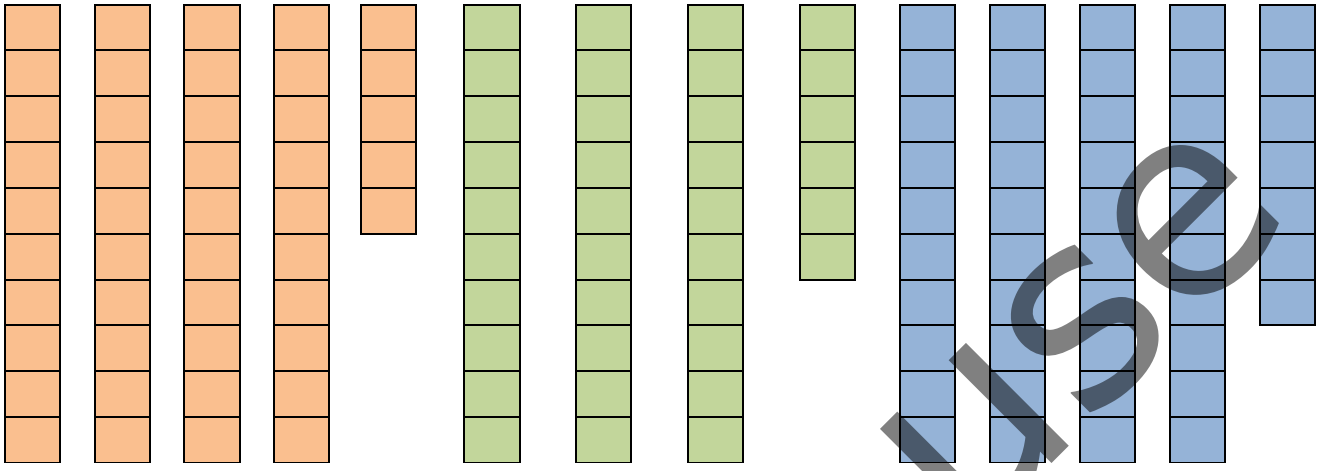
Answer these.

a) 45 – 10 = _____ b) 36 – 20 = _____ c) 47 – 30 = _____



This example shows you how you can do it in columns:

T	U	
6	8	Subtract the units.
- 3	0	Subtract the tens.
3	8	

8 - 0 = 8

60 - 30 = 30

38

Answer these.

a)
  3 1
- 1 0
_____

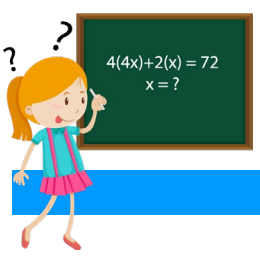
b)
  7 7
- 5 0
_____

c)
  5 9
- 3 0
_____

d)
  8 8
- 5 0
_____

e)
  6 6
- 3 0
_____

f)
  9 1
- 4 0
_____



EnglishHouse

You're up!

Subtract to the numbers in each set the number that is in each star.

a) 68 = _____

b) 72 = _____

c) 45 = _____

d) 66 = _____

e) 57 = _____

a) 89 = _____

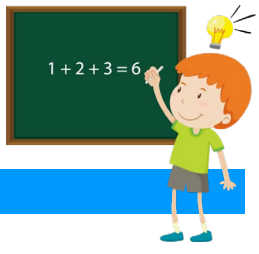
b) 75 = _____

c) 97 = _____

d) 63 = _____

e) 81 = _____

EnglishHouse



Grouping and multiplying

Read and answer the question.
Mr Brown likes to visit hospitals and give books to the people who are sick.

He has 90 books left in his home. He has 10 more hospitals to visit. He will give out the same number of books in each hospital.
How many books will he give out in each hospital?

Read and complete.

Making groups

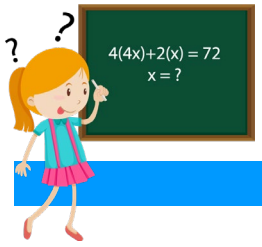
An easy way to count things is making groups of a specific number of objects.
Example:

How many marbles are in each group? _____

How many groups are there? _____

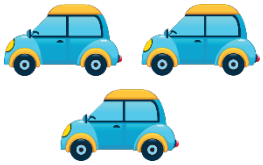
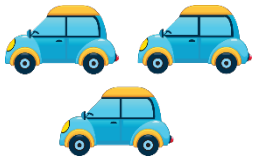
How many marbles are in total? _____

_____ groups of _____ make _____

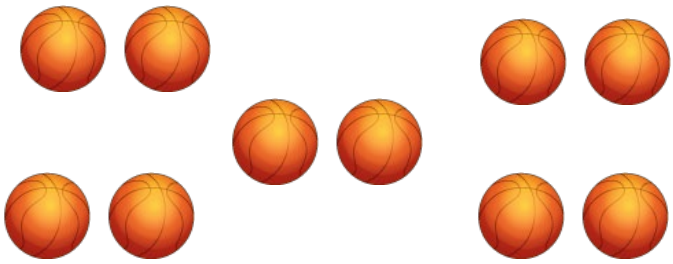


EnglishHouse

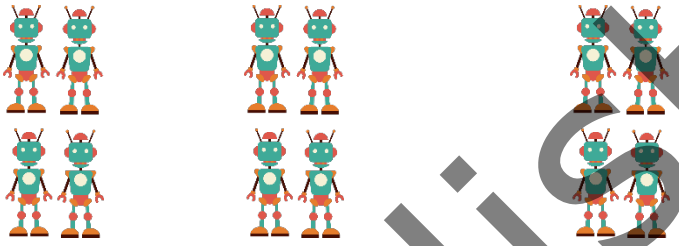
Look, count and write numbers.

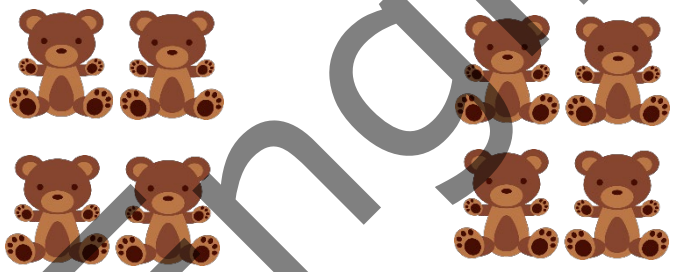
_____ groups of 3 make _____



_____ groups of 2 make _____

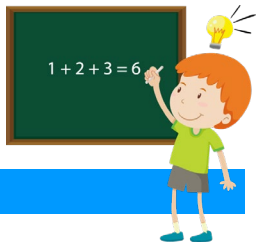


_____ groups of 4 make _____



_____ groups of 2 make _____

_____ groups of 3 make _____



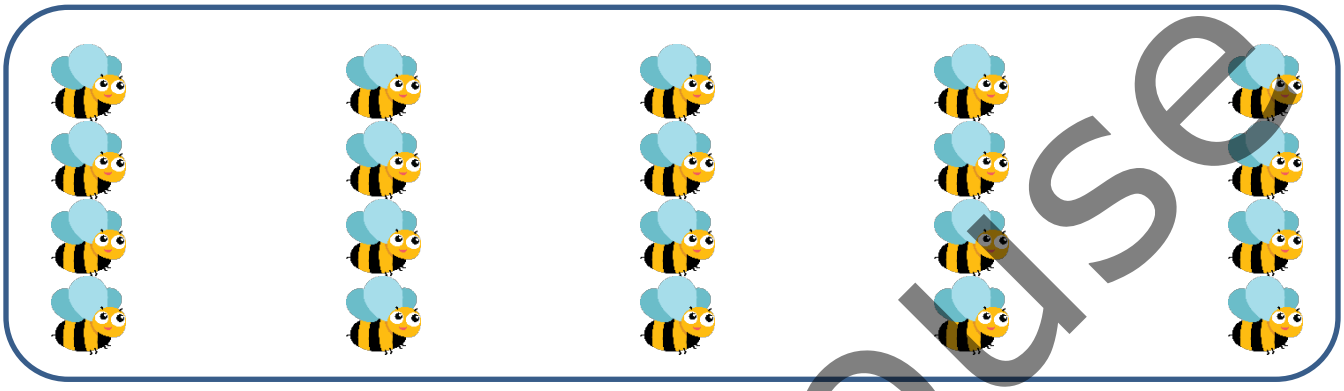
EnglishHouse

Read and complete.

Multiplications

You can express multiplications in different forms.

Example:

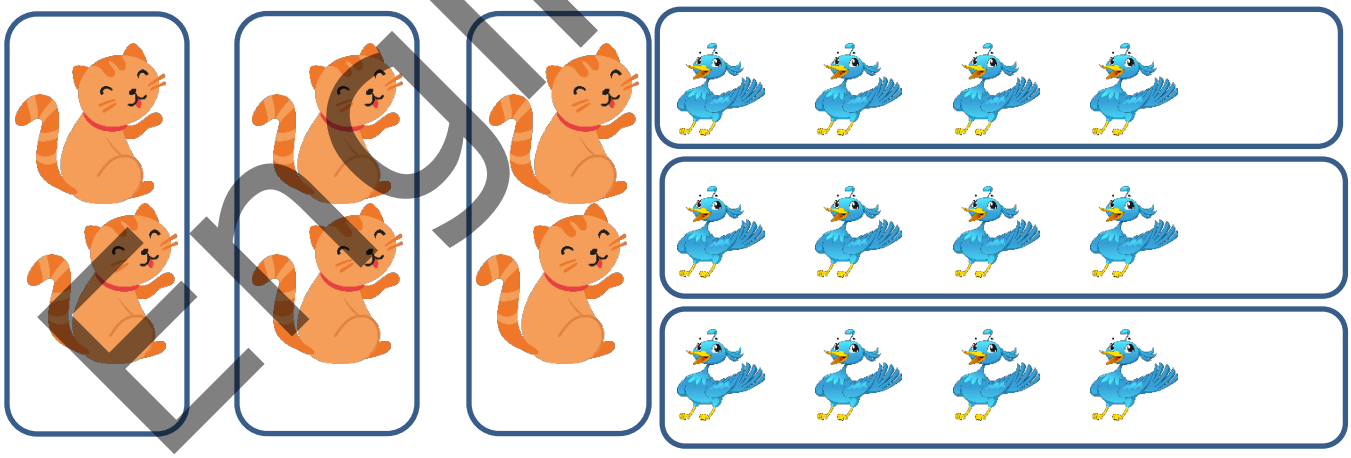


4 multiplied by 5 = _____ 5 times 4 = _____ 5 X 4 = _____

4 + 4 + 4 + 4 + 4 = _____

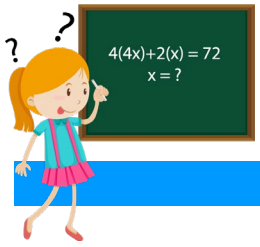
"X" is called "times" in multiplications.

Count the groups to help you multiply.



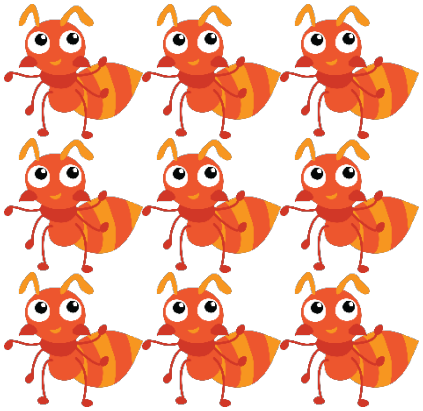
2 + 2 + 2 = _____
3 times 2 = _____

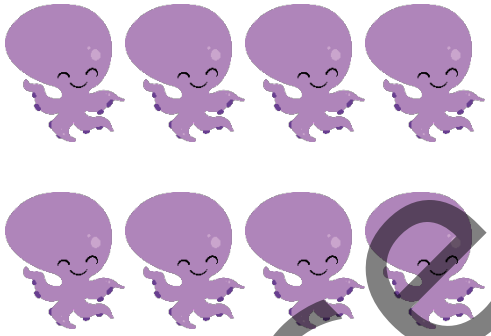
4 + 4 + 4 = _____
3 times 4 = _____



English House

Look, group and complete.





3 + 3 + 3 = _____

3 times 3 = _____

2 + 2 + 2 + 2 = _____

2 times 4 = _____

Answer these.

a) 4 + 4 + 4 + 4 + 4 + 4 = _____

4 X 6 = _____

b) 5 + 5 + 5 + 5 = _____

5 X 4 = _____

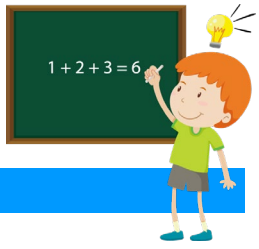
c) 6 + 6 + 6 = _____

6 X 3 = _____

Draw ice cream cones to match the numbers and answer the multiplication.

3 X _____ = _____

2 + 2 + 2



EnglishHouse

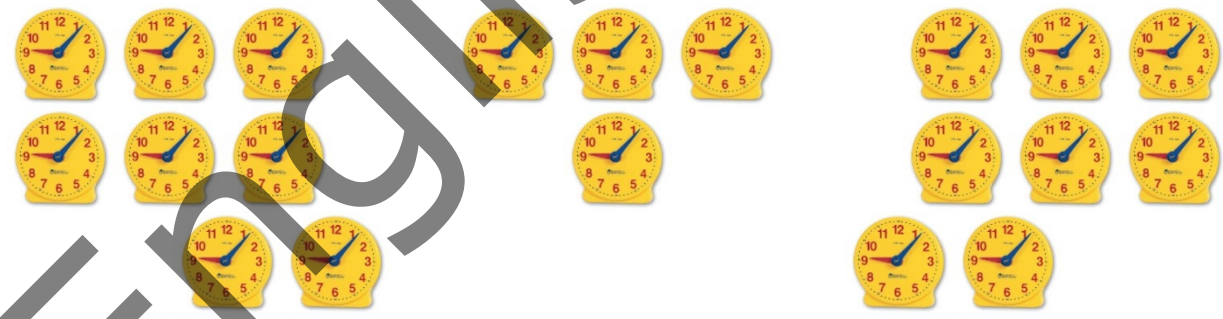
You're up!

Look and complete the sentences. Then write the names of the items next to the totals.

There are _____ groups of _____ backpacks.

T_____ a_____ _____ g_____ o_____ _____ o_____ .

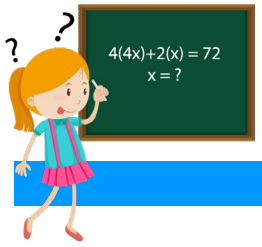
T_____ a_____ _____ g_____ o_____ _____ f_____ .



T_____ a_____ _____ g_____ o_____ _____ c_____ .

Totals:

8: _____ **20:**_____ _____ **6:** _____ **9:**_____



EnglishHouse

Array

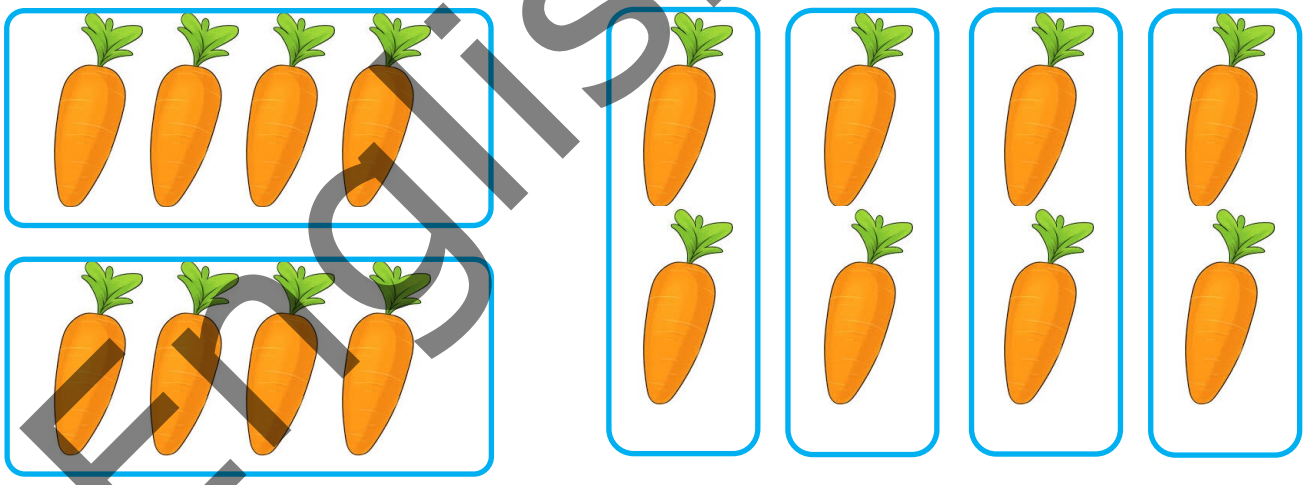
Read and answer the question.

Marcus and his mum are preparing cups of hot chocolate. They are putting 8 marshmallows in each cup.

How many marshmallows do they need for 9 cups?

Read and complete.

This is another way in which you can express a multiplication.



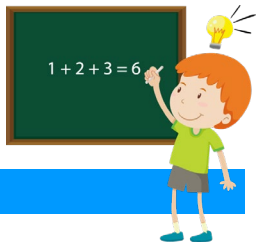
Example:

4 multiplied by 2 = _____

4 times 2 = _____

4 X 2 = _____

As you can see, 4 X 2 has the same result as 2 X 4.



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Draw dots and group them to illustrate these multiplications.

4 X 5 = _____	5 X 4 = _____

Look and count. Then write the multiplication that the dots are expressing.

a)

___ X ___ = ___

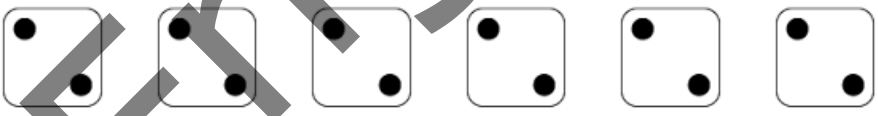
b)

___ X ___ = ___

c)

___ X ___ = ___

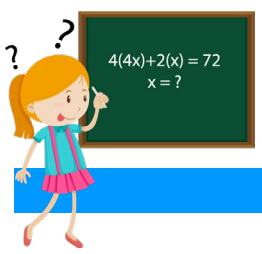
d)



___ X ___ = ___

e)

___ X ___ = ___



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Read and complete.

Multiplication (1 and 0)

Any number multiplied by 1 stays the same.

Any number multiplied by 0 is 0.

a) 1 X _____ = 9

b) _____ X 4 = 4

c) 5 X _____ = 5

d) 2 X _____ = 0

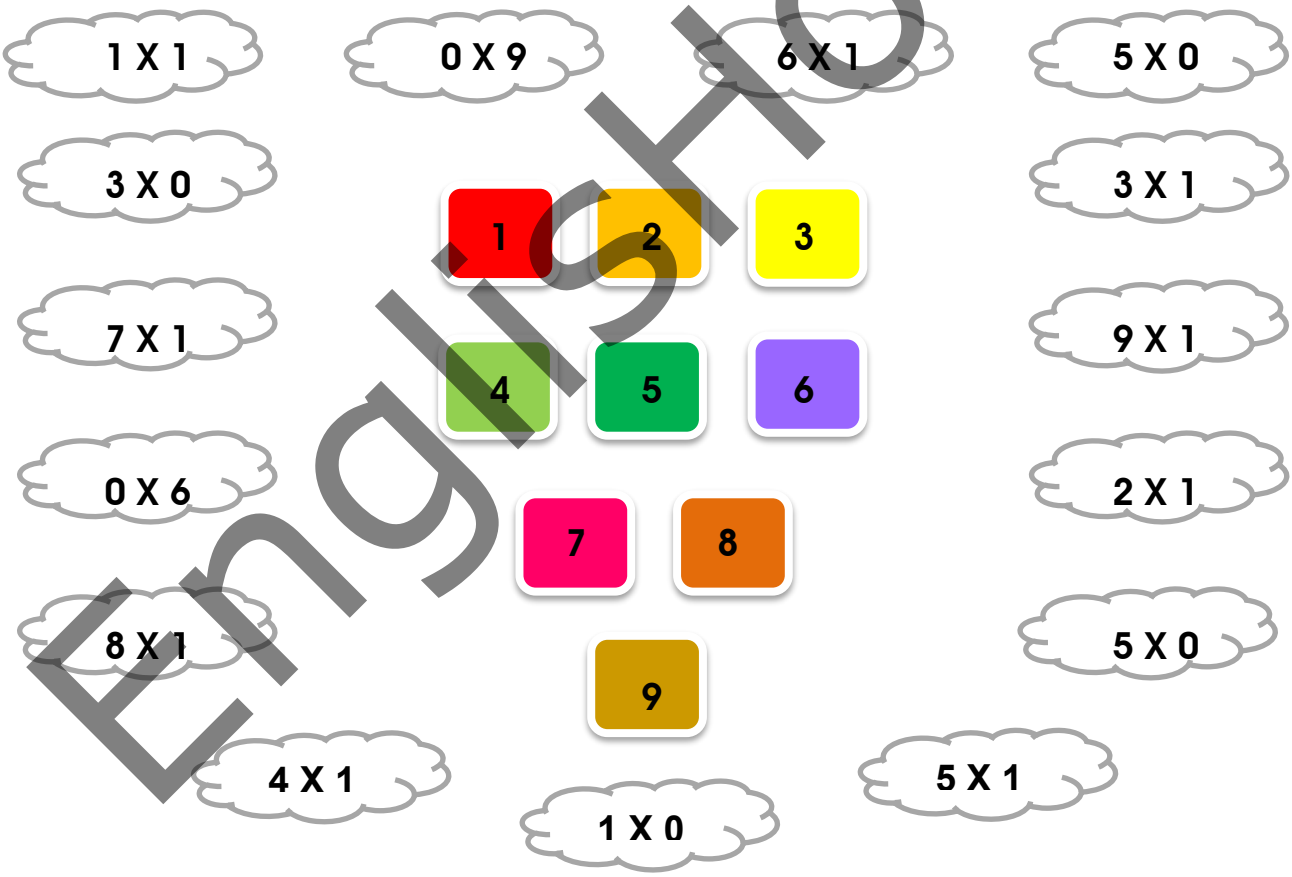
e) 3 X _____ = 0

f) 4 X 0 = _____

g) 7 X _____ = 7

h) 1 X _____ = 0

Colour blue the multiplications that have 0 as an answer. Then join the others with their matching result.



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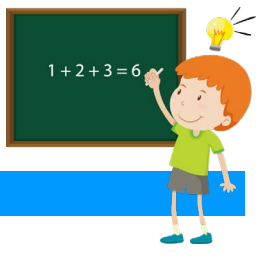


You're up!

Read and choose the correct definition. Then explain the concept in your own words.

Array:_____

a) To put a group of things in a particular way or order.

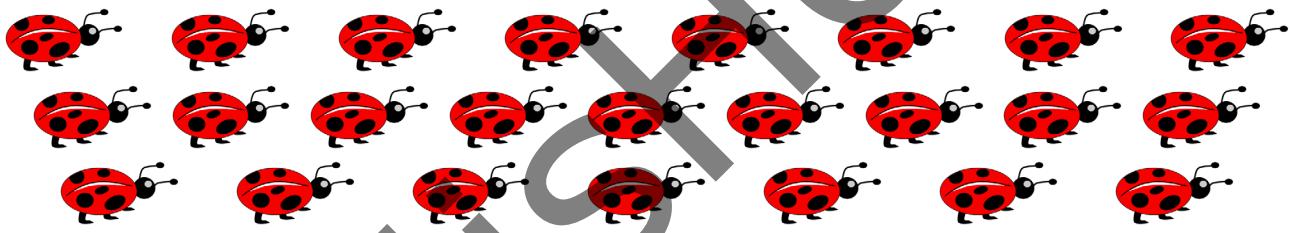
b) To put things in position

Array means: _____

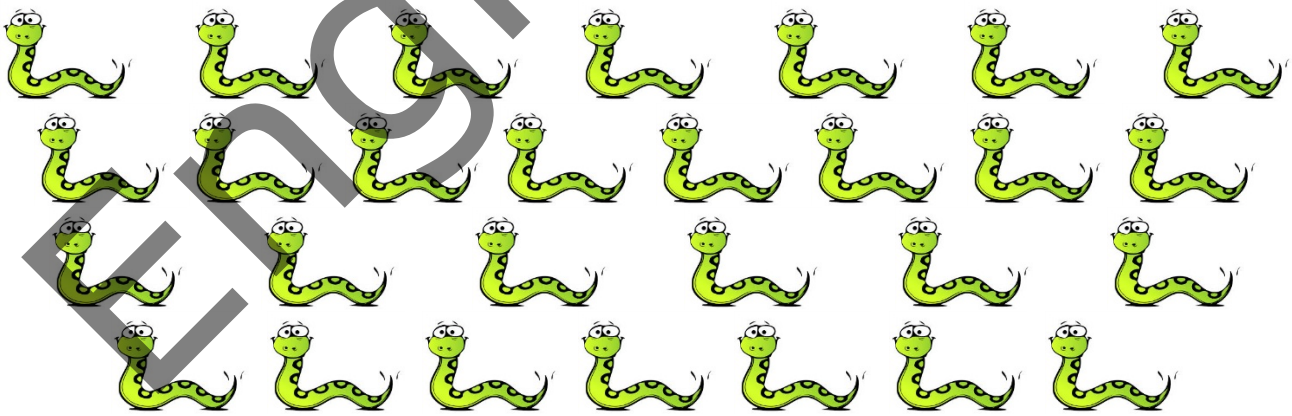
_____ .

Look and circle to array the items.

3 X 8



7 X 4



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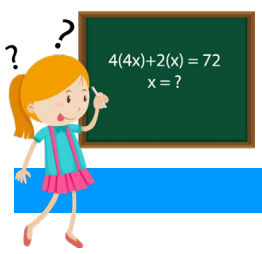


Let's check out

Read and find the secret word.

1st	2nd	3rd	4th	5th

a) The last letter of the secret word is the same letter that comes at the end of each day of the week.
b) The second letter of the secret word is the second vowel in a word that sounds like pear.
c) The third letter of the secret word is the silent letter in a four-letter word that means to chat or speak.
d) The first letter of the secret word is the first letter in both words that sound like cent.
e) The forth letter of the secret word matches the third letter.

- **Read and complete.**

Adding

These are some adding strategies you can use

Near doubles:

8 + 8 = _____ --- 8 + 9 (is one more) = _____

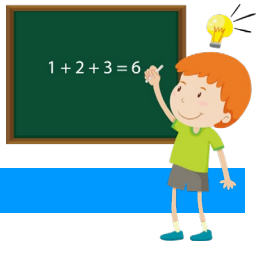
Counting on:

2 + 5 is the same result as 5 + _____.

Crossing 10 by steps:

a) 7 + 3 + 2 ⟶ 7 + 5 = _____

b) 7 + 3 + 2 ⟶ 10 + 2 = _____



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Answer these.

Near doubles

a) 8 + 8 = _____ b) 5 + 5 = _____ c) 3 + 3 = _____

8 + 9 = _____ 5 + 6 = _____ 3 + 4 = _____

Counting on

6 + 3 is the same result as _____.

4 + 5 is the same result as _____.

3 + 4 is the same result as _____.

7 + 3 is the same result as _____.

Crossing 10 by steps

a) 8 + 4 + 2 8 + 6 = _____

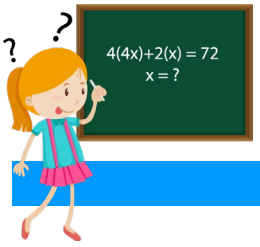
8 + 4 + 2 12 + 2 = _____

b) 9 + 5 + 3 9 + _____ = _____

9 + 5 + 3 _____ + 3 = _____

c) 7 + 5 + 4 7 + _____ = _____

7 + 5 + 4 _____ + 4 = _____



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- **Read and complete.**

Multiplication (2 and 4 times table)

The numbers in the 4 times table are double the numbers in the 2 times table.

a) 2 X 2 = 4 double 4 X 2 = 8 b) 2 X 6 = 12 double 4 X 6 = 24

- **Complete these.**

a) 2 X 9 = _____ b) 2 X 8 = _____ c) 2 X 3 = _____
4 X 9 = _____ 4 X 8 = _____ 4 X 3 = _____

d) 2 X 7 = _____ e) 2 X 6 = _____
4 X 7 = _____ 4 X 6 = _____

- **Look and circle.**

Circle the numbers of the 2 times table with purple.
Circle the numbers in the 4 times table with orange.
You will have to circle some numbers twice.
There are some numbers that you don't have to circle.

11	40	2	28	14
12	18	3	21	32
38	9	16	12	22
10	35	2	24	8
4	36	20	6	15

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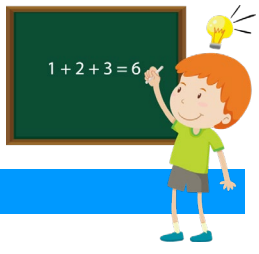


Read and complete.

Multiplication (3 times table)

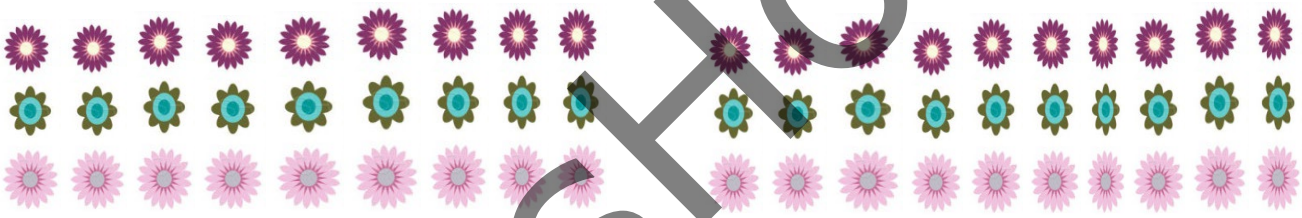
You can use the same method to work with the 3 times table.

a) 3 X 5 = _____ b) 3 X 4 = _____ c) 3 X 8 = _____

5 X 3 = _____ 4 X 3 = _____ 8 X 3 = _____

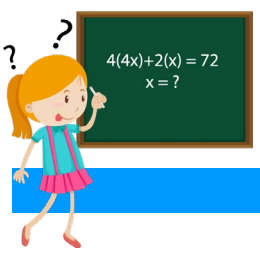
d) 3 X 9 = _____ e) 3 X 10 = _____

9 X 3 = _____ 10 X 3 = _____



Look and write the missing numbers.

3		9		15
	21		27	
33		39		45



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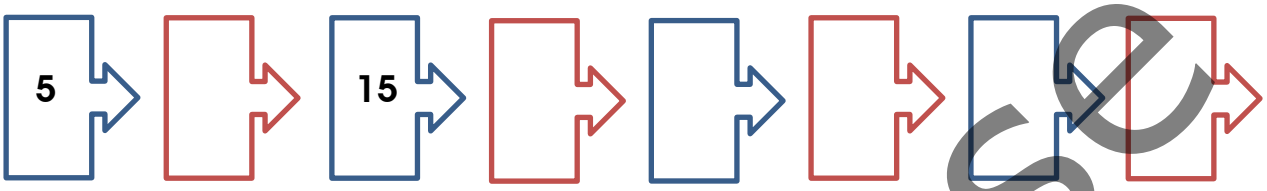
- **Read and look. Then write the missing numbers.**

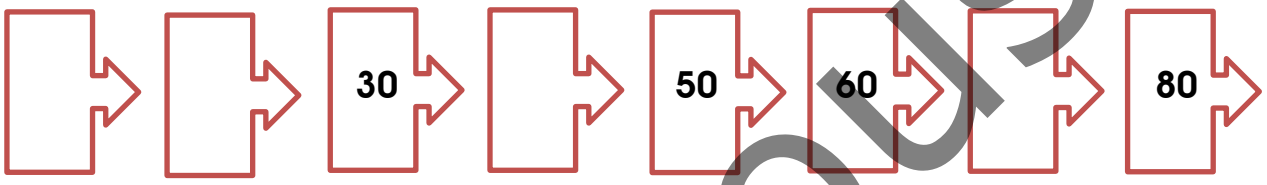
Multiplication (5 and 10 times table)

The 5 and 10 multiplication tables are very easy because they are counted 5 by 5 and 10 by 10.

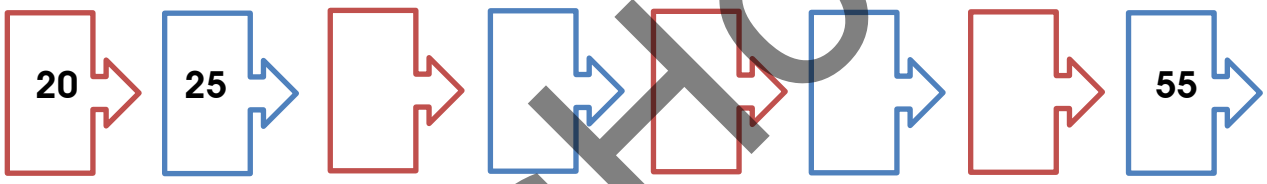
a)



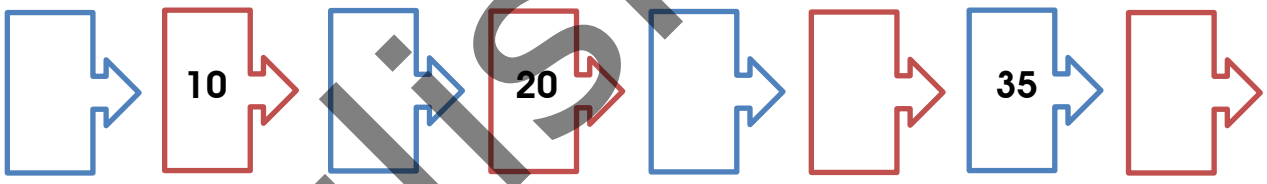
b)



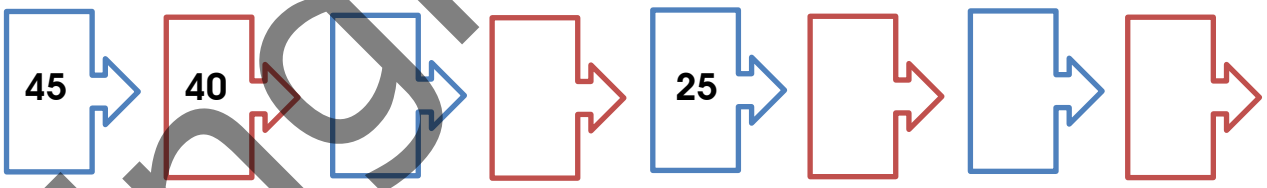
c)



d)



e)

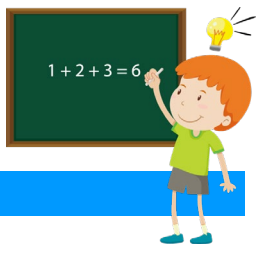


Answer these.

a) 5 X 9 = _____ b) 10 X 9 = _____ c) 10 X 8 = _____ d) 5 X 5 = _____

e) 5 X 7 = _____ f) 10 X _____ = 30 g) 5 X ____ = 15 h) 10 X ____ = 20

i) 10 X ____ = 100 j) _____ X 7 = 70



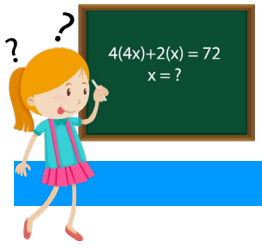
EnglishHouse

You're up!

Read and colour to match the boxes that have a number, the number as a word and its double in numbers.

four	eighteen	18	ten
10	twenty-one	4	5
12	twenty-five	five	21
36	42	18	25
8	20	nine	six

EnglishHouse



UNIT 3 Functions and equations – addition and subtraction

Read and answer the question.
Anna and Tom are serving soup. They have to serve thirty-one plates.

Anna goes to the bathroom to brush her hair, meanwhile Tom serves seventeen plates.
How many plates does Anna have to serve to complete the thirty-one plates?

Read and complete.

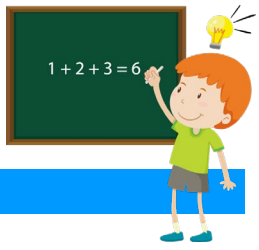
You can use the numbers given in a trio to guess the missing number.
You just have to make a different operation.

Ex. 1.

? - 4 = 9
4 + 9 = ___
So 13 - 4 = ___

Ex. 2.

8 + ? = 11
11 - 8 = ___
So 8 + 3 = ___



EnglishHouse

Answer these.

a)	**8**	+	**?**	=	**12**	**b)**	**7**	+	**?**	=	**10**
	12	-	**8**	=	___		**10**	-	**7**	=	___
	8	+	___	=	**12**		**7**	+	___	=	**10**
c)	**?**	-	**11**	=	**2**	**d)**	**4**	+	**?**	=	**9**
	11	+	**2**	=	___		**9**	-	**4**	=	___
	___	-	**11**	=	**2**		**4**	+	___	=	**9**

Complete the addition grids.

a)

+	0	5	3
5			
15			
4			

b)

+	7	8	9
6			
8			
10			

Write the missing numbers.

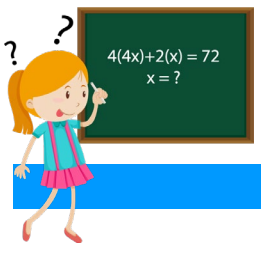
a)

+	3		10
5	8	10	
	15	17	
15			25

b)

+		4	
6	9		14
		12	
15		19	

EnglishHouse



Multiplication tables

Read and answer the question.

Roger started to save ninety-two pesos every month. He does this since June of 2016.
How much money will he have in February of 2017?

Read and complete.

You may know that the order of the multiplication does not matter.

3 X 2 = _____ and 2 X 3 = _____

Take a look at the table and write the missing numbers. Then look for the same results and write some examples.

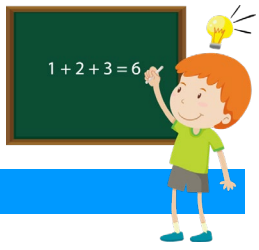
X	0	1	2	3	4	5
2	0		4		8	10
3	0			9		
4	0		8		16	20
5	0		10		20	

Ex. 1.

____ X ____ = ____ and ____ X ____ = ____

Ex. 2.

____ X ____ = ____ and ____ X ____ = ____



EnglishHouse

Complete the multiplications.

a) 4 X 2 = _____

b) 3 X 6 = _____

c) 5 X 4 = _____

d) 3 X 3 = _____

e) 7 X 2 = _____

Complete these.

a) 3 X 4 = _____ b) 3 X 10 = _____ c) 4 X 6 = _____ d) 2 X 1 = _____

e) 2 X 6 = _____ f) 2 X 10 = _____ g) 3 X 5 = _____ h) 6 X 4 = _____

Equalities and inequalities

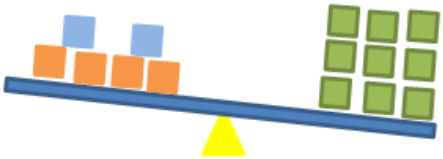
Read and complete the text using the words in the box.

more **side** **An** **has** **than**

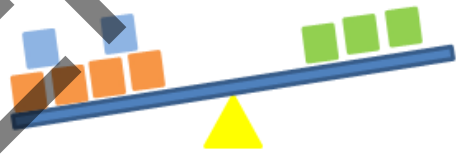
_____ equality expresses that one side _____ the same number as the other side. An inequality expresses that one side has _____ or has less _____ the other _____.

Look at the symbols and then look at the examples.

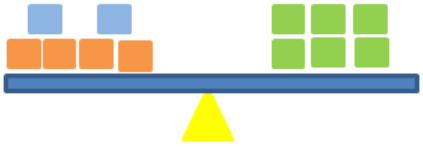
The symbol " = "
The symbol " < "
The symbol " > "



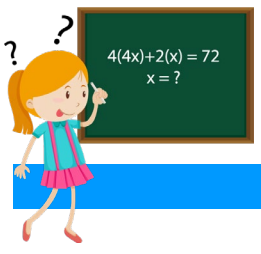
2 + 4 < 9



2 + 4 > 3



2 + 4 = 6

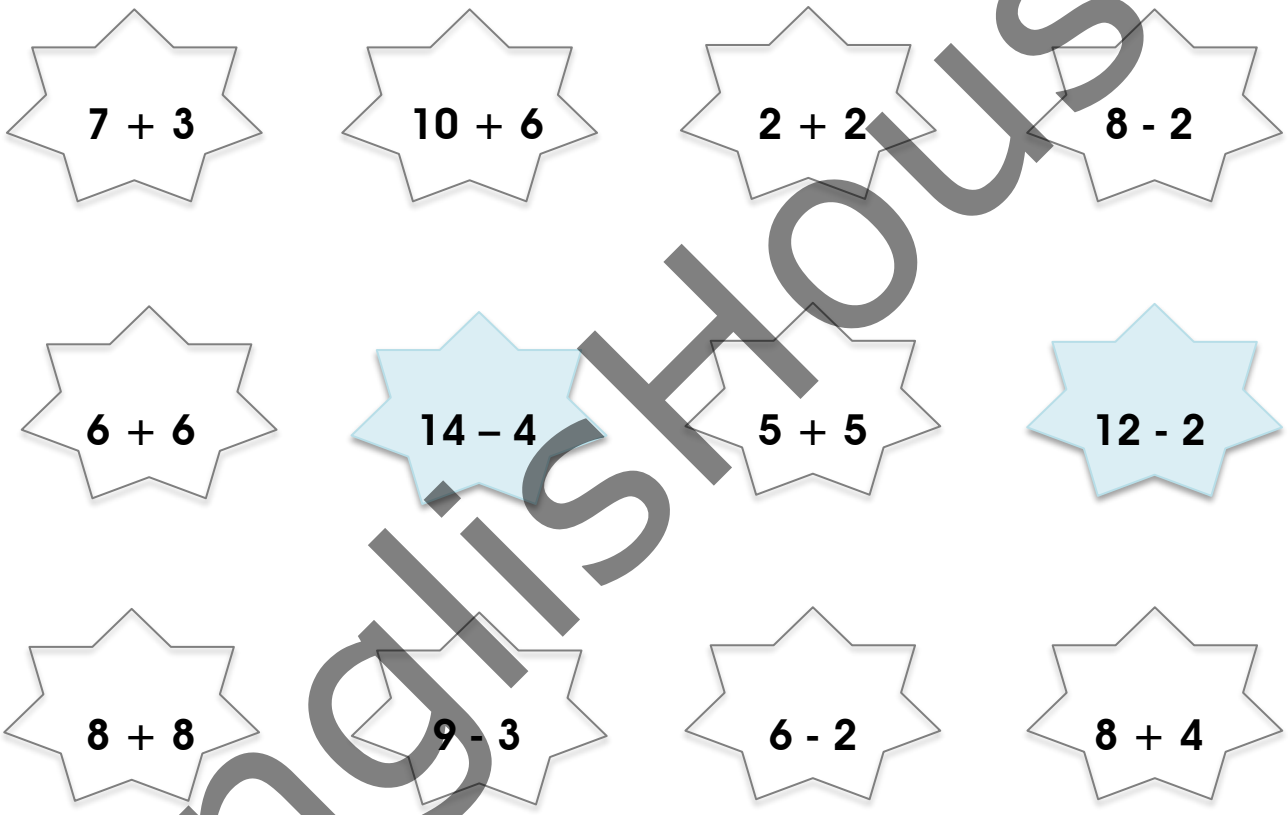


EnglishHouse

Complete these putting in the correct symbol < , > or =.

a) 8 + 8 ____ 16 b) 10 – 2 ____ 9 c) 3 + 5 ____ 11 d) 11 – 5 ____ 6

Colour the pair of stars that show calculations that are equal to each other.
Use different colours.
There is one example.



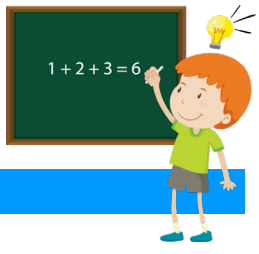
EnglishHouse

Look and put a tick if the math statement is correct. If it is not correct, put a cross.

a) 7 + 3 = 5 _____ b) 9 – 7 < 4 _____

c) 13 + 1 < 16 _____ d) 3 + 9 < 15 _____

e) 5 – 1 > 6 _____ f) 8 – 2 = 6 _____



You're up!

Play and write.

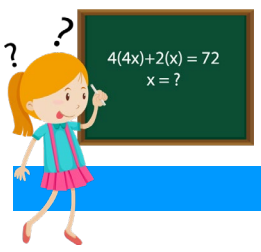
Roll the dice!

Get two dice (different colour).

Roll the dice and write the 2 numbers. Then write the correct sign in the circle. ">," "<," or "=."

1 dice		1 dice		2 dice		2 dice
	○				○	
	○				○	
	○				○	
	○				○	
	○				○	
	○				○	

English House



Function machines

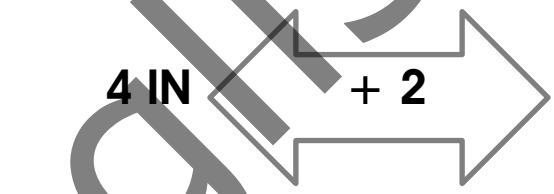
Read and answer the question.

Louis goes to the cinema to watch a movie. When the movie starts, there are twenty-five people. At the end of the movie, there are forty-two people.

How many people came in to the cinema during the movie?

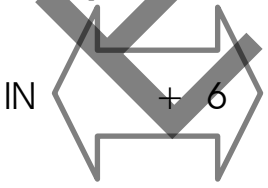
Read and complete.

This is an adding machine. The number that goes IN is added with the number inside; the number that comes OUT is the result.
If the number goes backwards through the machine, the (+) becomes (-).

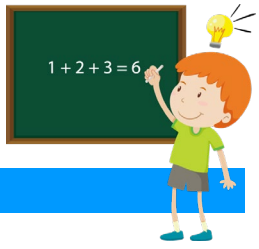


4 goes in the machine and _____ comes out (4 + 2 = _____).
Backwards, 6 goes in the machine and _____ comes out (6 – 2 = 4).

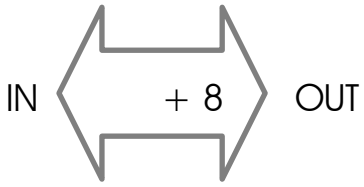
Complete the tables to show the numbers that go out.



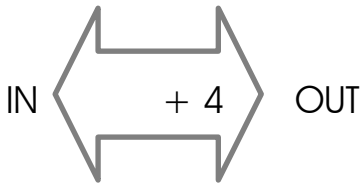
IN	3	10	4	1	2
OUT	**9**				



EnglishHouse

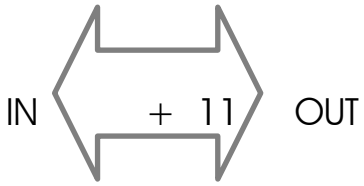


IN	10	12	9	14	16
OUT	**18**				

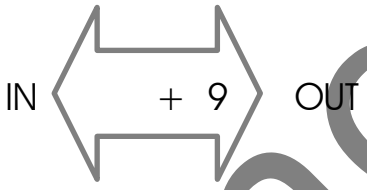


IN	7	8	11	9	5
OUT	**11**				

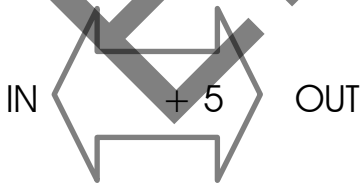
Complete the tables to show the numbers that go in.



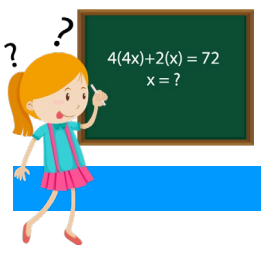
IN	2				
OUT	13	15	21	18	12



IN	3				
OUT	12	11	14	18	20



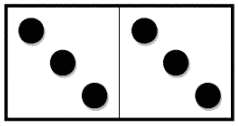
IN	10				
OUT	5	8	7	11	6



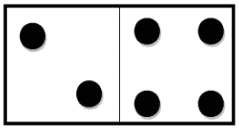
EnglishHouse

You're up!

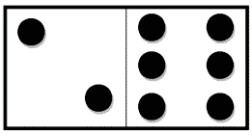
Count and write.



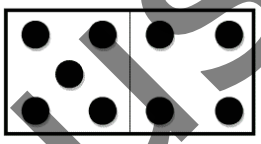
_____ + _____ = _____



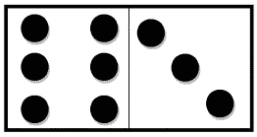
_____ + _____ = _____



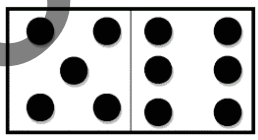
_____ + _____ = _____



_____ + _____ = _____



_____ + _____ = _____



_____ + _____ = _____

Each shape stands for a number. The numbers shown are the result of each line, draw shapes to match the results.

= 3

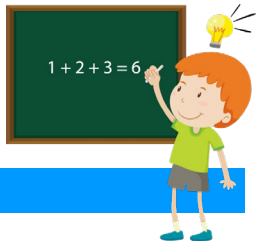
= 2

= 5

			12
			8
			9

			6
			11
			13

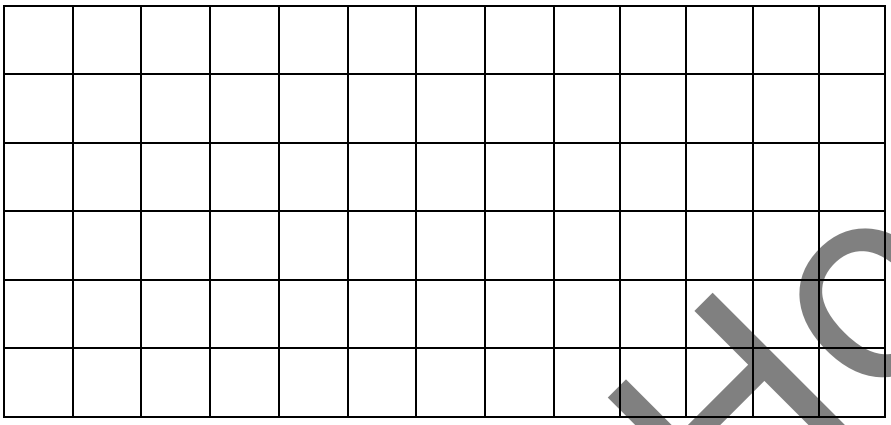
EnglishHouse



Fractions

Read and answer the question.

Paul has a rectangular pizza. How can he divide it in order to give two slices to each of his two friends and two slices for him?



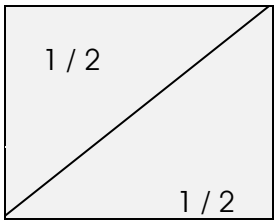
EnglishHouse

Read and complete.

You can divide objects into even parts. This way, you obtain fractions.

This is a whole

1 / 2	
	1 / 2



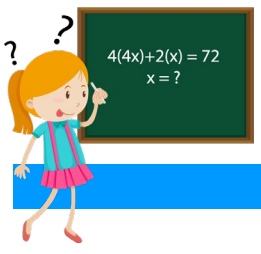
You can divide the whole in different forms, but all the parts must be the same.

¼	¼
¼	¼

A quarter is expressed like 1 / 4. Four quarters make a whole.

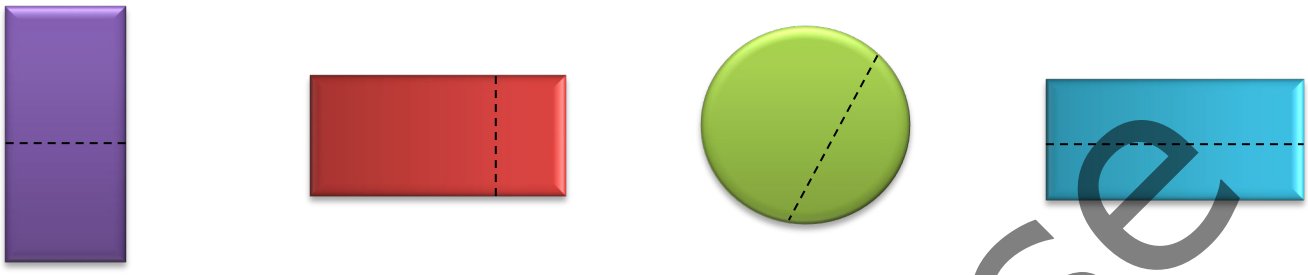
The number on top is the numerator, it expresses the shaded parts.

The number at the bottom is the denominator. It expresses the equal parts in which the shape has been divided.



Look and write ½. If a shape has not been divided this way, cross it out.

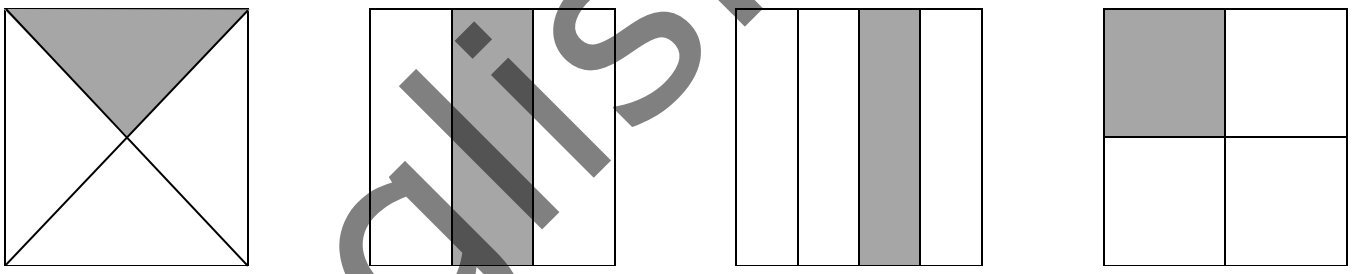
a) b) c) d)



e) f) g) h)

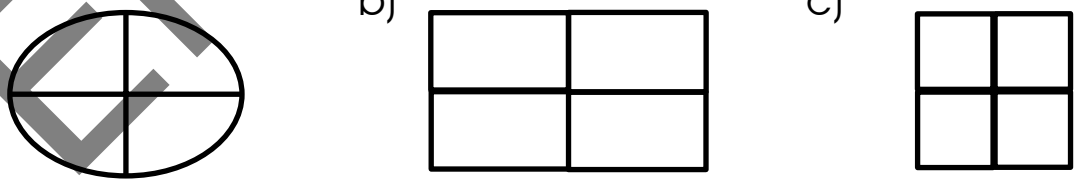
Which of these shapes has exactly 1 / 4 shaded grey?

a) b) c) d)

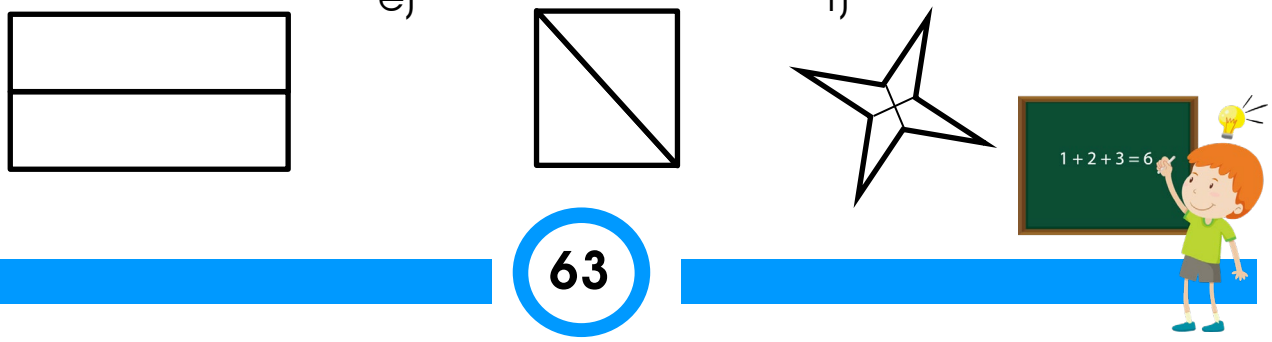


- **Look for the shapes divided into halves and colour ½ green. Look for the shapes divided into quarters and colour ¼ pink.**

a) b) c)



d) e) f)



English House

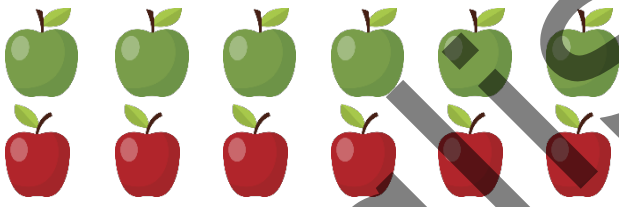
Halves of amounts

Read and answer the question.

Jim has eleven coloured pencils, his friend Tom has thirteen coloured pencils, Anne has nine coloured pencils and Charly has seven coloured pencils. They are going to work in pairs and divide the colours into even parts. How many colours will each pair have?

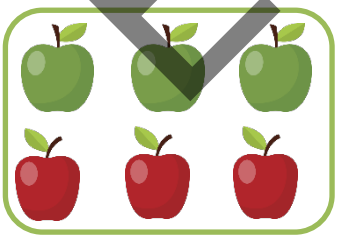
Read and complete.

To find the half of something, you have to divide it into two equal groups, and then just count one group.

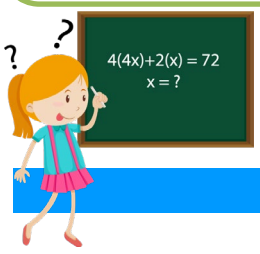


Twelve apples

Two equal groups



½ of 12 is _____



English House

Find the halves - the objects are already divided into two groups.

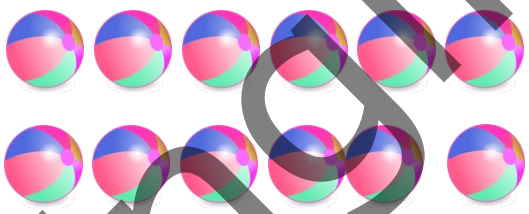
½ of 6 is _____

½ of 16 is _____

Divide the objects into two groups. Then count one group and write the half of the objects.

a)

½ of 6 is _____

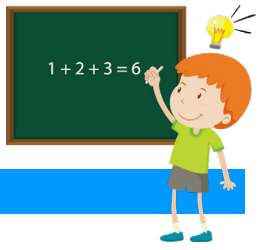
b) 

½ of 12 is _____

c)

½ of 14 is _____

EnglishHouse



Read and draw.

Imagine that you have a chocolate bar and you want to share it with seven of your friends.
How can you divide it to give your friends equal parts?
Remember, you will also get a piece of it.

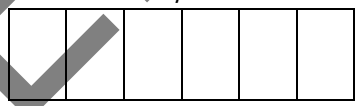
Read and colour.

A fraction is named according to the number of parts it represents or according to the number of parts it has been divided into.

1/3

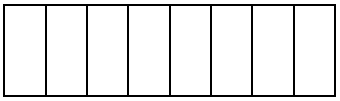
Thirds
1/3 is one part

1/6

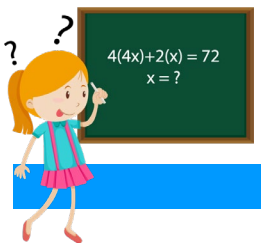


Sixth
1/6 is one part

1/8



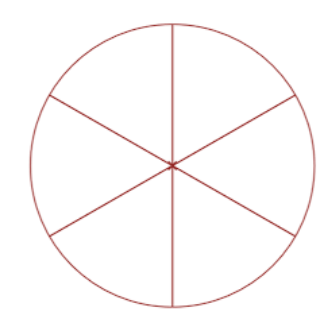
Eighth
1/8 is one part

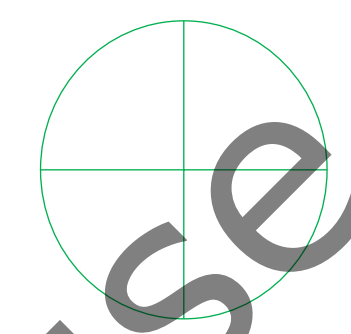


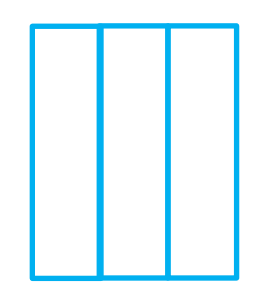
EnglishHouse

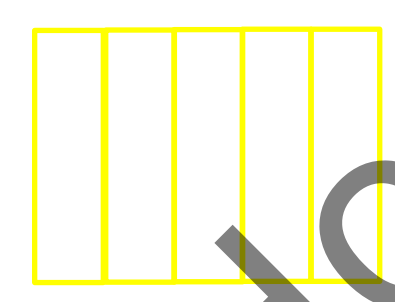
Draw lines to join the figures with the fractions.

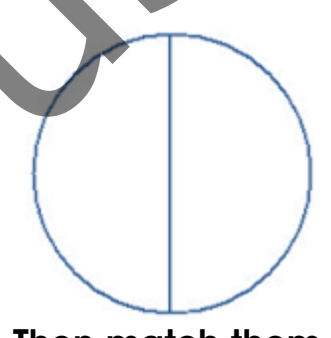
Half **Third** **Quarter** **Fifth** **Sixth**





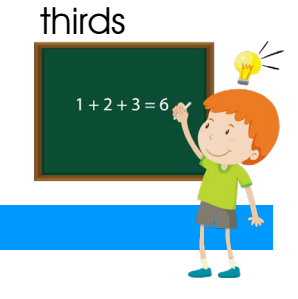






Draw lines in the shapes to match the number of parts. Then match them with the correct names.

2 equal parts		tenths
3 equal parts		fifths
4 equal parts		halves
5 equal parts		sixths
6 equal parts		quarters
10 equal parts		thirds



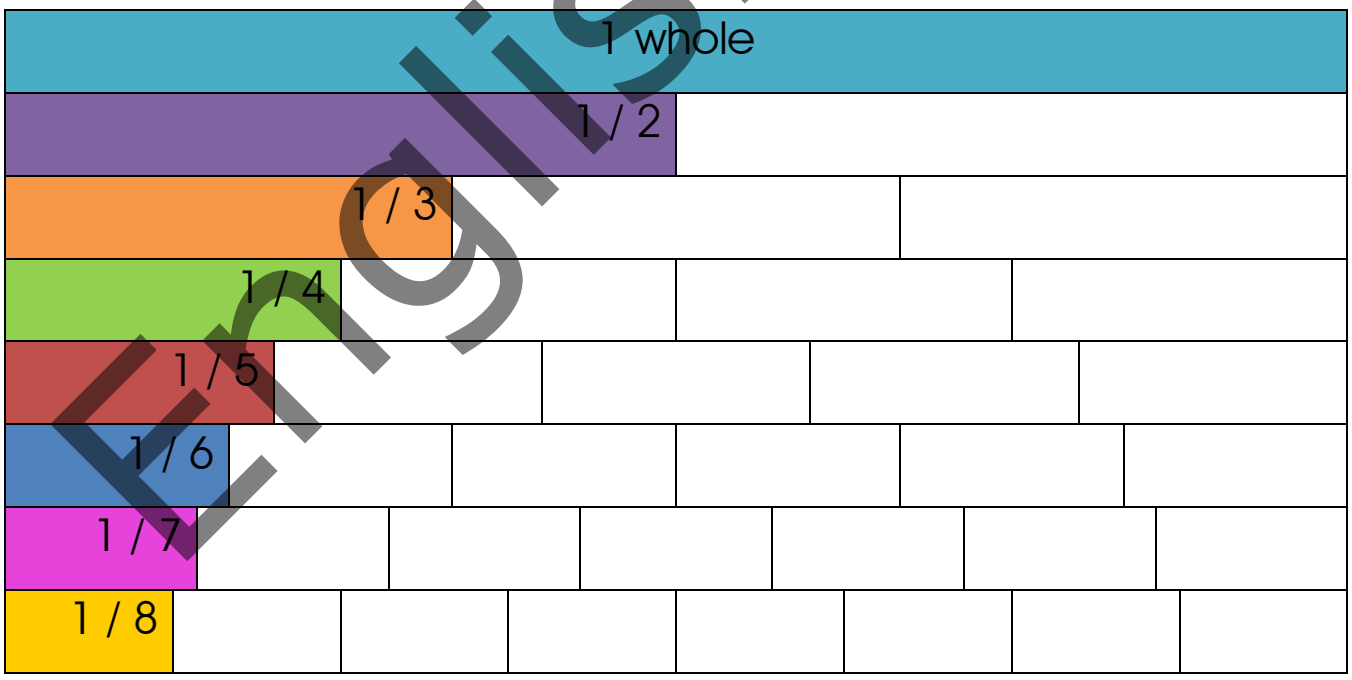
EnglisHouse

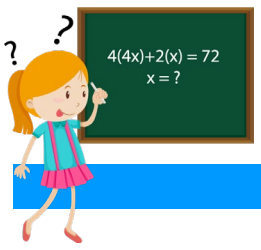
Number tracks

Read and answer the question.

There are thirty-six students in a music class. ¼ of that class likes rock music.
How many students like rock?
Write or draw your method.

You can use a Fraction Wall to see how a whole can be divided into many parts.





EnglishHouse

Look and divide the Fraction Wall into the fractions in the box.

$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{2}$	$\frac{1}{8}$	$\frac{1}{6}$

1 whole

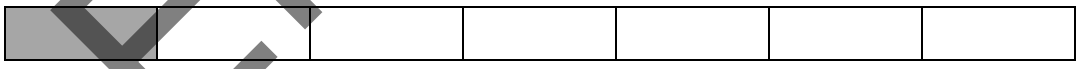
Write the fraction shown on each track.

a)

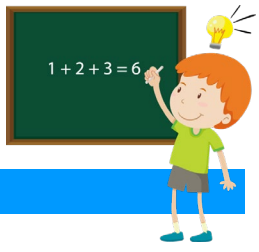
b)

c)

d)



e)

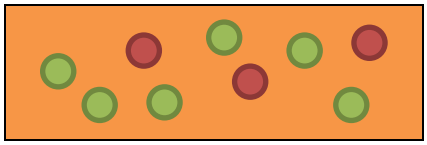
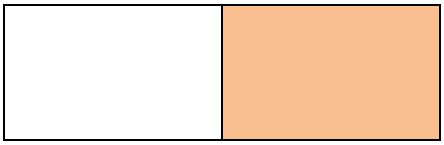


EnglishHouse

You're up!

Look at the rectangle pizzas and write.

1. **This is one whole unit.** How much of it does the customer want?

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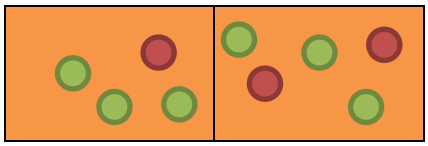
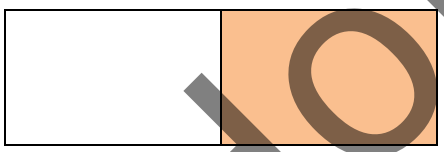
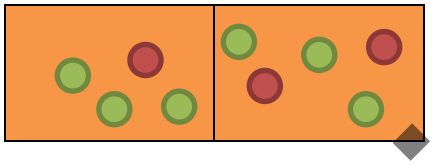
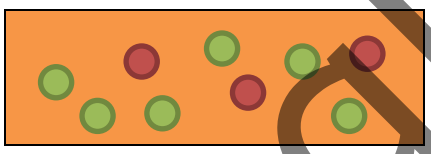
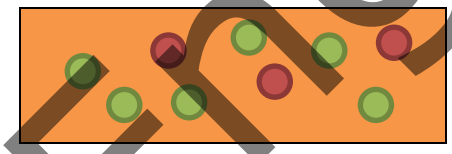
2. **This is one whole unit.** How much of it does the customer want?

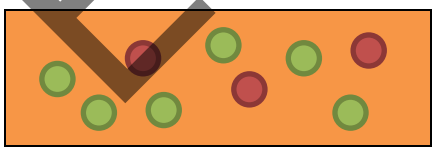





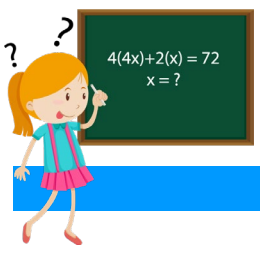
3. **This is one whole unit.** How much of it does the customer want?







EnglishHouse



Time - o' clock

Read and answer the question.

Kelly wants to go to a concert that starts at three o'clock pm. She makes 2 hours to get to the concert by bus.

At what time does she have to leave to get to the concert on time?

The circular clock has a small arrow which is the "hour hand" and it has a long arrow which is the "minute hand."

When the minute hand points at 12, it is o'clock.

On a digital clock, the left side shows the hour and the right side shows the minutes past the hour.

Write the times shown on the clocks.

a) _____ o'clock

b) _____ o'clock

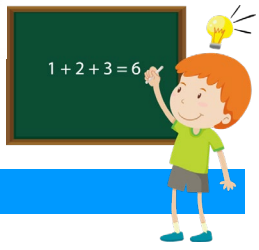
c) _____ o'clock

Write the times shown on the clocks in the digital form.

a) ___ : ___

b) ___ : ___

c) ___ : ___



EnglishHouse

Half past

Read and answer the question.

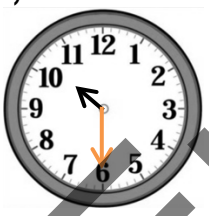
Robert has a soccer game after school on Friday. His classes finish at one pm. What time is the soccer game if it starts one hour and a half after school?

Read and complete.

There are 60 minutes in an hour.
30 minutes are the half-way to complete the hour.
It is half past five.
It is half past _____.
It is half past_____.

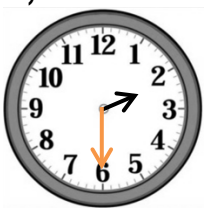
Write the times in the digital form.

a)



____ : ____

b)

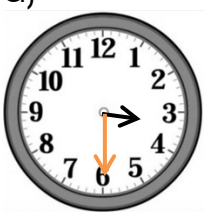


____ : ____

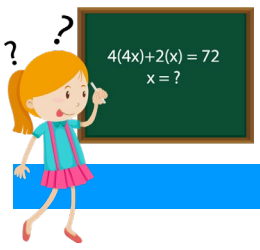
c)

____ : ____

d)



____ : ____



EnglishHouse

Draw lines to join the clocks that have the same times.

1:30

3:30

6:30

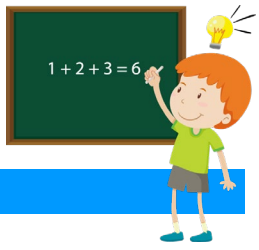
4:30

9:30

Quarters

Read and answer the question.

Ricky waits for his turn to play videogames. His cousins play by turns of a quarter of an hour. If they started to play at four o'clock and he has three cousins, at what time is his turn?



EnglishHouse

There are 60 minutes in an hour; a quarter is one fourth of those minutes (15 minutes).

Quarter past the hour

4:15

Quarter to the next hour

4:45

"**Quarter past**" means 15 minutes after the hour.
"**Quarter to**" means 15 minutes to the next hour (forty-five minutes past the hour).

Write the times using quarter past or quarter to.

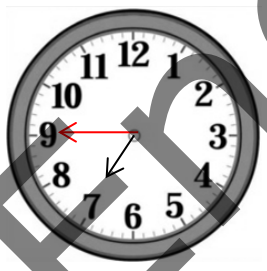
12:15

It is _____
_____

It is _____
_____

8:15

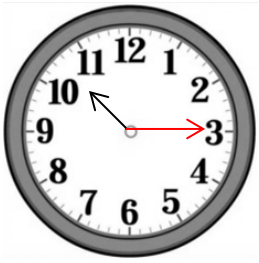
It is _____
_____



It is _____
_____

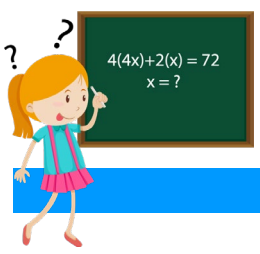
2:15

It is _____
_____



It is _____
_____

English House



Draw and write the later time for each clock.

1 hour later

2 hours later

12:00

___ : ___

30 minutes later

15 minutes later

3:00

___ : ___

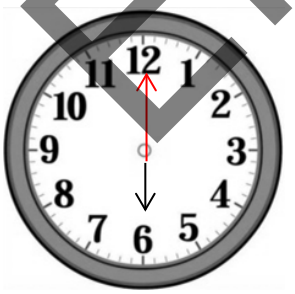
15 minutes later

30 minutes later

2:30

___ : ___

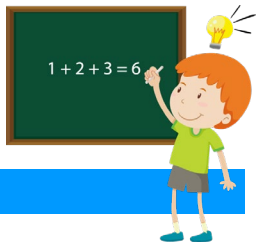
1 hour 30 minutes later



45 minutes later

4:00

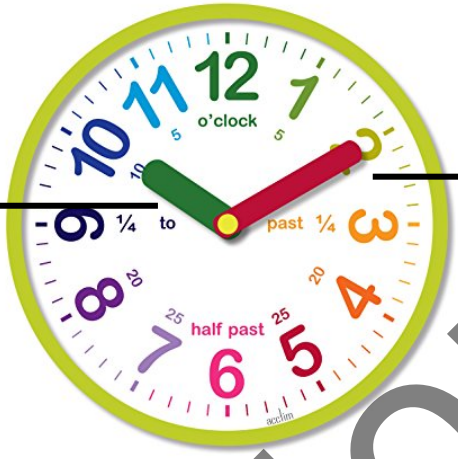
___ : ___



EnglishHouse

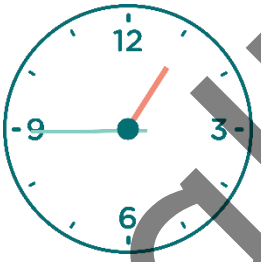
You're up!

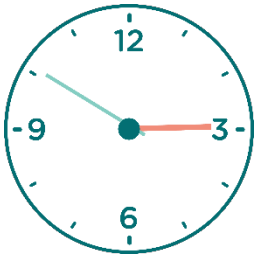
Look and label the hands of the clock.

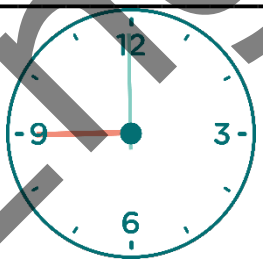


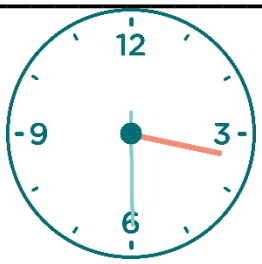
Look and label the examples shown on the clocks.

O'clock **Quarter to** **Quarter past** **Half past**









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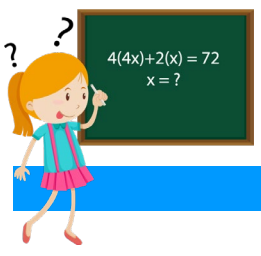
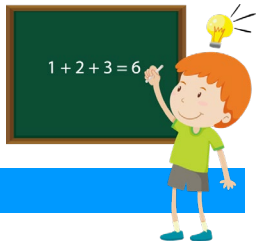


UNIT 4 Shapes – flat shapes

Read, draw and write.
Look around your classroom and draw some things that have a specific shape. Then write what item it is and what shape it has.

.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....

EnglishHouse



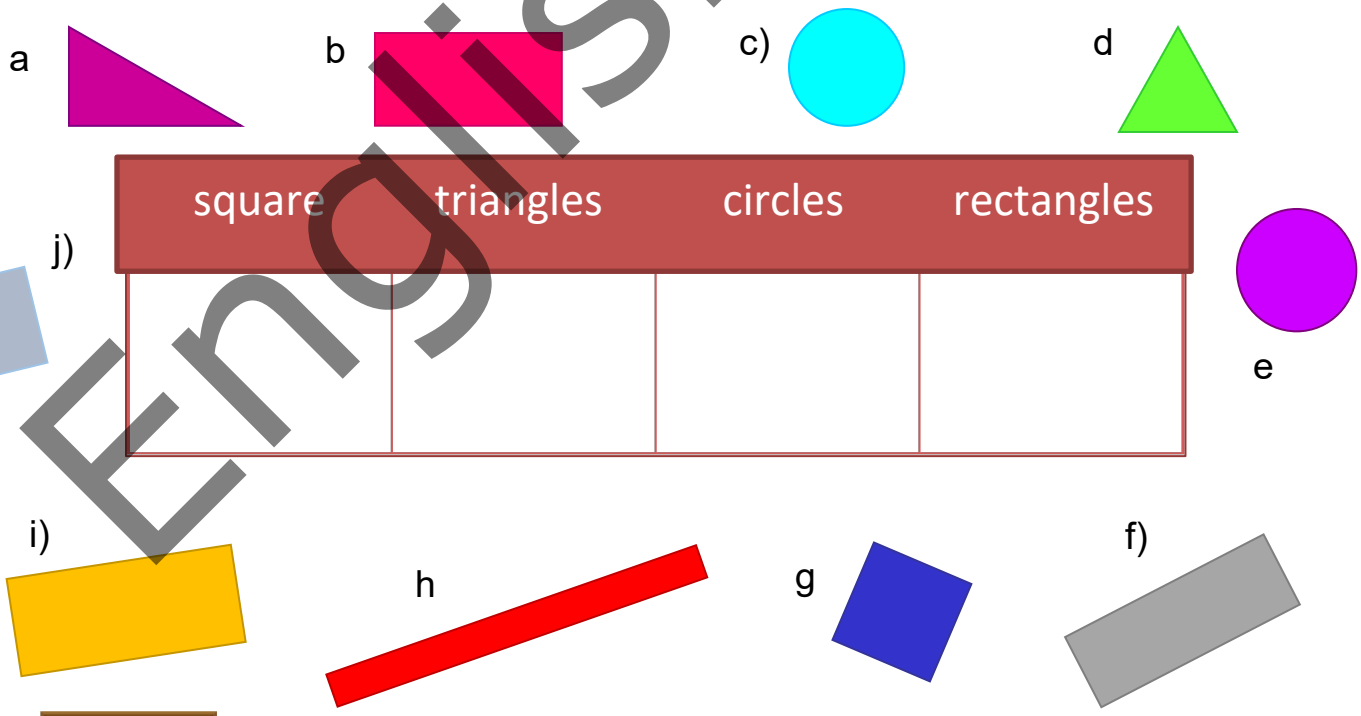
Use the words in the box to label the shapes. Then answer the questions with a friend.

circle	square	triangle	rectangle

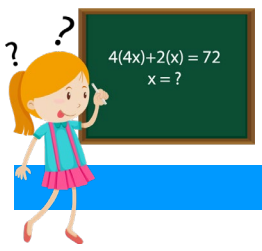
- How are these flat shapes similar?
- How are they different?

....

Write the shape letter in the correct section to complete the chart.



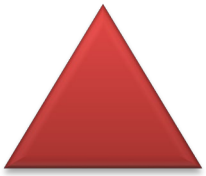
square	triangles	circles	rectangles



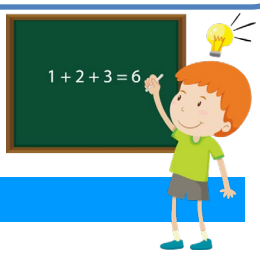
EnglishHouse

You're up!

Look and write the information about the shapes.

Image				
Name				
Number of corners				
Number of sides				
Real life example				

EnglishHouse

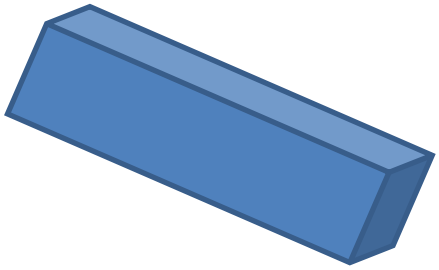


Solid shapes

Read, draw and write.

Look around your classroom and draw the objects in which you can find a solid shape and name them.

For example, your pencil case has a cuboid shape.



Pencilcase

Cuboid

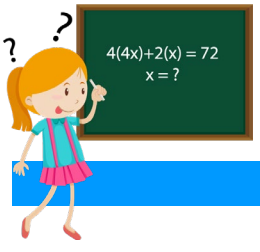
....

....

....

....

EnglishHouse



Look and say the words. Then answer the questions with a friend.

- How are these solid shapes similar?
- How are they different?

Sphere

Cone

Cube

Pyramid

Cylinder

Cuboid

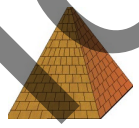
Write the name of each shape.

a) _____

b) _____

c) _____

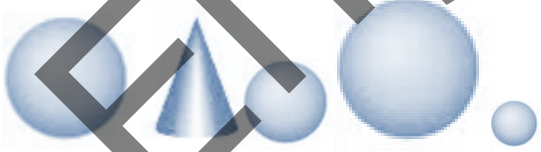
d) _____

e)  _____

f)

_____

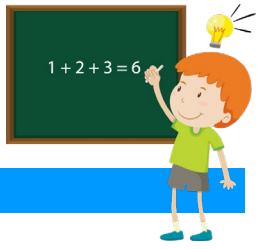
Look and cross out the odd shape.

1 

2

3

4

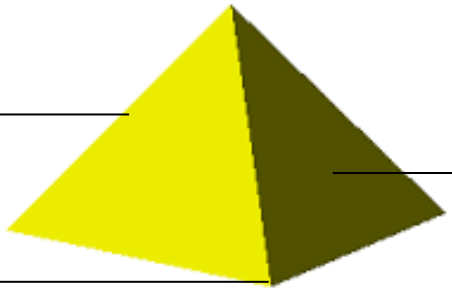


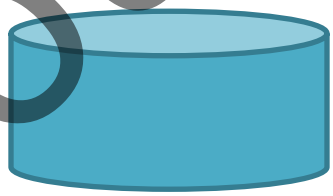
EnglishHouse

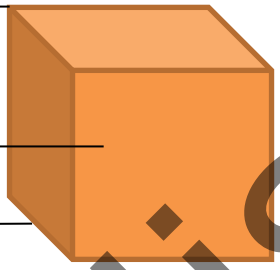
When you are comparing solid shapes, look at their properties: faces, edges and vertices.

Use the words to label the shapes.

face	edge	vertex







A cylinder has a curved face and two flat faces.

Look at a model cube and a triangle. Describe the shapes to a friend. Then complete these.

a) A cube has ☐ edges.

b) A cube has ☐ vertices.

c) A cube has ☐ faces.

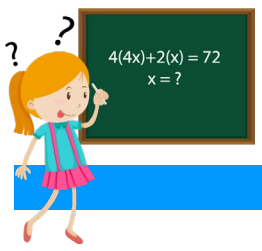
d) Is this the same for a cuboid? .....

e) A triangle has ☐ edges.

f) A triangle has ☐ vertices.

g) A triangle has ☐ faces.

h) Is this the same for a cone? .....



EnglishHouse

You're up!

Read the descriptions and draw the shapes. Then use the words to label them.

Cube **Cylinder** **Cuboid** **Sphere** **Pyramid** **Cone**

a) It is shaped like a round ball.

b) It has a flat, round or oval base and a top in the form of a point.

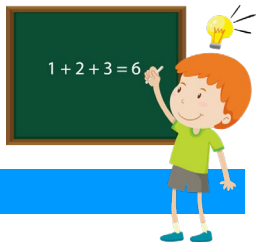
c) It has six square sides of equal size.

d) It has a flat square base and four flat triangular sides – the sides meet to form a point at the top.

e) It is a tube with long sides and two circular ends the same size.

f) It has six rectangular sides.

EnglishHouse



Comparing and ordering to 999

Read and answer the questions.

Jake has a collection of toy cars. He has 356 toy cars. His friend Mike has a collection of fiction cards, he has 713 cards. Anna has a collection of dolls, she has 499 dolls.

Who has the biggest collection?

Who has the smallest collection?

What's the difference in number between Anna's collection and Jake's collection?

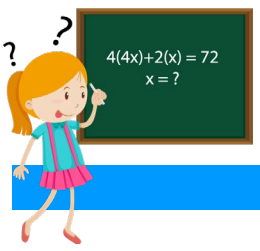
What's the difference between Jake's collection and Mike's collection?

When you need to compare numbers, you have to look carefully at the digits. You can break them into units, tens and hundreds.

356 499 713

3 0 0 + 5 0 + 6 4 0 0 + 9 0 + 9 7 0 0 + 1 0 + 3

700 is greater than 400 and 300, so 713 is greater than 499 and 356.
400 is greater than 300, so 499 is greater than 356.



EnglishHouse

Read and compare. Then write the smaller numbers on the lines.

a) 273 628 .....

b) 911 182 .....

c) 437 659 .....

d) 839 855 .....

Put the numbers above in order. Start with the smallest.

....

....

Work in groups of 6. Write a number between 200 and 999 in your notebook. Tell your friends what number you wrote, compare the numbers and write the smallest number on the first line and the biggest one on the last line. Then put the rest of the numbers in order.

Round 1

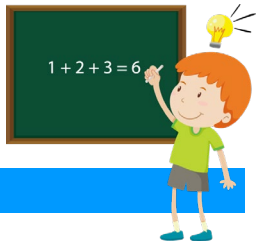
....

....

Round 2

....

....



EnglishHouse

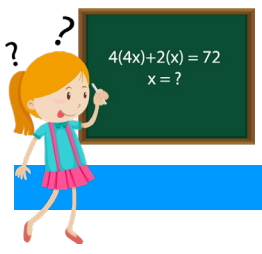
You're up!

Look and write.

10 more	
360	370
715	
840	
455	
800	
625	

10 less	
240	250
	555
	340
	295
	730
	915

EnglishHouse



Adding and subtracting – 999

Read and answer the questions.
Jake wants to put his collection of 356 toy cars with Tim's collection of 212 toy cars.

How many toy cars do they have together?
How many more cars does Jake have in his collection?

To add or subtract 3-digit numbers, you can break them into hundreds, tens and units.

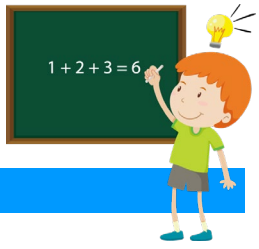
356 and 212 **Break them up**

	3	5	6		3	0	0	+ 5	0	+ 6
+	2	1	2		2	0	0	+ 1	0	+ 2
	5	6	8		5	0	0	+ 6	0	+ 8

It is very important to know that you have to add the units first, then the tens and, at the end, the hundreds.
In subtraction, you do it in the same order.

Break them up

356	300 + 50 + 6
- 212	- 200 + 10 + 2
144	100 + 40 + 4



EnglishHouse

Answer these.

167	616	558	672	709
+ 821	- 213	- 440	+ 200	+ 290

Write the missing numbers.

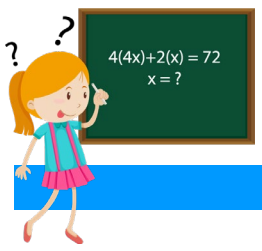
7 … 1	262	968	… 6 …	… 7 …
+ 112	+ 43 …	- … 1 …	+ 8 … 0	- 221
… 7 …	6 … 8	8 … 6	995	7 … 6

Look at the numbers in the stars and complete the tables.

275	145	232	115	104	261
475					

900	400	756	812	592	737
500					

132	302	243	201	520	603
482					



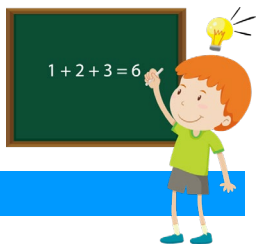
EnglishHouse

You are up!

Look and write downwards.

Count by 10	Count by 10	Count by 100
ten		
	one hundred ninety	two hundred fifty

EnglishHouse



Word problems - multiplication

Read and answer the questions.

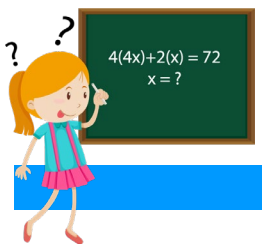
There are 7 swings in the playground. On each swing there are 3 children.

What is the total number of children? _____

How many children would be on 9 swings? _____

Look and complete.

X	1	2	3	4	5	6	7	8	9	10
1	1		3		5	6		8	9	
2	2		6		10		14	16		20
3		6		12		18			27	
4	4		12		20		28	32		40
5		10		20		30		40		
6	6			24		36	42		54	60
7		14	21		35			56		70
8	8		24	32		48	56			
9		18			45		63		81	90
10	10	20		40		60			90	



EnglishHouse

Now that you know how to use the multiplication chart, it is time to work on multiplication word problems.

Example

Mark loves grapes. He usually eats 3 grapes per minute.

- How many grapes could he eat in 3 minutes?
- How many grapes could he eat in 5 minutes?
- How many grapes could he eat in 7 minutes?

In this example, the factors are 3 grapes (number of grapes he eats) and the minutes 2, 5 and 7.

Let's do the math. Use the multiplication chart on the previous page.

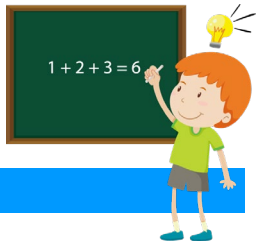
Number of grapes	3		Number of grapes	3		Number of grapes	3	
Minutes	x	2	Minutes	x	5	Minutes	x	7

Mark eats 3 grapes in 1 minute.

Mark could eat ..... grapes in ..... minutes.

Mark could eat ..... grapes in ..... minutes.

Mark could eat ..... grapes in ..... minutes.



EnglishHouse

Read and write the information in the correct place. Then use the multiplication chart again to get the result.

Mr Angles bought a box of pencils for his class. The box has 6 pencils.

- How many pencils are there in 3 boxes?
- How many pencils are there in 6 boxes?
- How many pencils are there in 9 boxes?

In this example, the factors are …… (the number of …….. in each ……) and the number of ……..; ……, …… and …… .

Number of pencils	…	Number of pencils	…	Number of pencils	…
Boxes	x …	Boxes	x …	Boxes	x …

There are 6 pencils in each box.

There are ..... pencils in ..... boxes.

There are ..... pencils in ..... boxes.

There are ..... pencils in ..... boxes.

Word problem 1

There are 5 bunches of oranges. Each bunch has 5 oranges.

How many oranges are there in all?

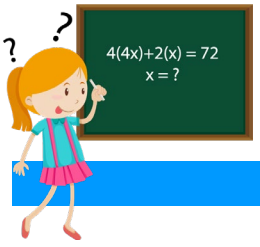
They are …… …… all together.

How many oranges are there in 7 bunches?

There are …… …… in ….. bunches.

.....
x .....

.....
x .....



EnglishHouse

Word problem 2

Manuela eats 3 meals a day. How many meals does she eat in 3 days?

Manuela eats …… …… in …… days.

How many meals does she eat 5 days?

Manuela eats …… …… in …… days.

How many meals does she eat in a week? …… meals

……
X ……

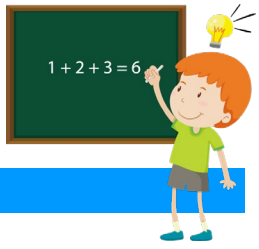
……
X ……

Word problem 3

Martin has to build three robots for his science class. For one robot he used 1 block for the head, 4 blocks for the arms, 6 blocks for the legs and 2 blocks for the torso.
How many blocks does he need for the three robots?

- Heads _____blocks
- Arms _____blocks
- Legs _____blocks
- Torsos _____blocks

How many blocks did he use for 1 robot in total?
He used _____ blocks for 1 robot.
How many blocks did he use for the three robots in total?
He used _____ blocks for the three robots.



EnglishHouse

You're up!

Read and answer the questions.

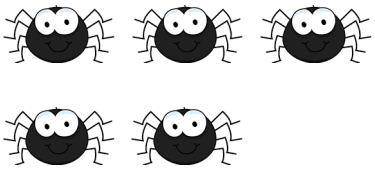
A spider has 8 legs.

2 spiders have _____ legs.

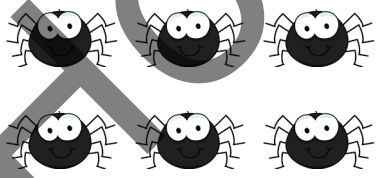
3 spiders have _____ legs.

4 spiders have _____ legs.

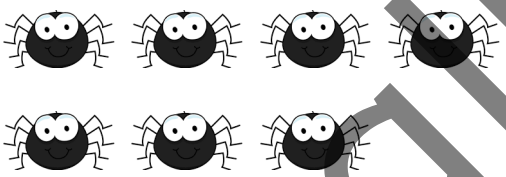
5 spiders have _____ legs.



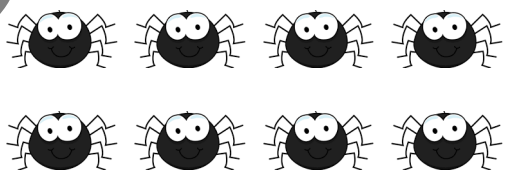
6 spiders have _____ legs.



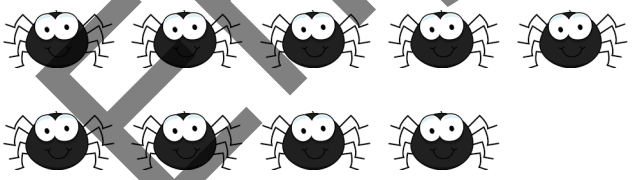
7 spiders have _____ legs.



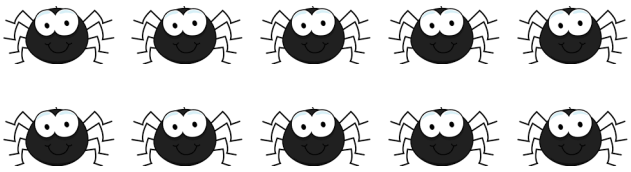
8 spiders have _____ legs.



9 spiders have _____ legs.



10 spiders have _____ legs.



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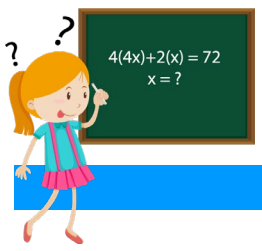

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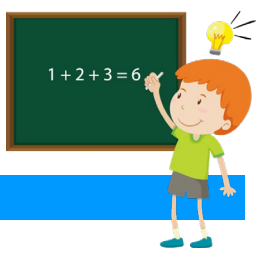

Maths 4U

Congratulations

Certificate of achievement proudly presented to:

_____

For having completed the **Englishouse Maths** course at **Second Grade**. For your effort and outstanding results, but most importantly, for smiling and for being you-

Such an amazing kid!

Englishouse