

Math 6th Answer Key

Unit 3

Page

Instructions

Answers

36

Take the challenge

Pyramid (tetrahedron) 4 sides
Triangular prism 5 sides
Hexagonal prism 8 sides

36

Read and label the picture and complete.

faces
vertices edges

6 faces
8 vertices
12 edges

37

Read and complete the chart. Then use the formula to check your answers.

$6 + 8 = 14$ and $14 - 12 = 2$

Pentagonal prism
7 faces
10 vertices
15 edges
 $7 + 10 = 17$ and $17 - 15 = 2$

Squared pyramid
8 faces
6 vertices
12 edges
 $8 + 6 = 14$ and $14 - 12 = 2$

Pentagonal pyramid
6 faces
6 vertices
10 edges
 $6 + 6 = 12$ and $12 - 10 = 2$

Rectangular prism
6 faces
8 vertices
12 edges
 $6 + 8 = 14$ and $14 - 12 = 2$

Pentagonal sphere
12 faces
20 vertices
30 edges
 $12 + 20 = 32$ and $32 - 30 = 2$

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38	Read and write the name of the shape.	cube square based pyramid pentagonal prism tetrahedron triangular prism hexagonal prism
38	Find some of the shapes named before in the objects you use every day. Then glue pictures and write what they are and the shapes they are / have.	Answers may vary.
39	Use toothpicks and clay to make shapes. Then take a picture of each and glue them in the boxes.	Pictures Shape-making
40	Take the challenge	Answers may vary.
41	Look and match the pictures with the definitions. Then use the words in the box to label the graphs.	Bar graph Shows data with rectangular... Line graph Shows how a variable ... Pie chart Shows data with a circle... Pictograph Compares choices. It...
42	Read and use the graph to complete the statements.	1 30 litres 2 21 gallons 3 52 litres 4 24 km 5 49 miles
43	Look and find the mean number for each set.	50 418 60 28
44	Look and find the median.	a) 6.75 b) 14 c) 4000
44	Mode	3, 3
45		560, 560
45	Look and find the mean, median and mode for each set.	a) 19 b) 19 c) none a) 81 b) 82.5 c) 90

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45		a) 14 14 10 b) 39 32 19 c) 28 38 38 d) 13 13 15
46	Use the grid to draw a graph and give complete information (mean, median, mode and range).	Mean = 43.2 Median = 40 Mode = None Range = 40
47	Take the challenge	C
47	Use the words to label the image below.	Whole Numerator Denominator Fraction
47	Read and match.	Numerator It is the top... Fraction bar It goes between... Denominator It is the bottom...
47	Read and complete the sentences.	the denominator the numerator
48	Read and choose the correct words for the explanation.	do not use are below With a decimal
48	Convert these to decimals.	a) 0.2 b) 0.6 c) 0.9 d) 0.16 e) 0.8 f) 0.5 g) 0.64 h) 0.8 i) 0.1
49	Convert these fractions to decimals following the whole process.	6/10 – 0.6 32/100 – 0.32 85/100 – 0.85 40/1000 – 0.04(0)
50	Convert these decimals to fractions following the whole process.	625/1000 125/200 235/100 47/20
50-51	Below are the answers for the questions on the next page. Read and convert the decimals to fractions. Then write the letter for the correct answer.	D A F G B C

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Instructions

Answers

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Read and answer the questions – illustrate your answers.

$$6A = 40$$

$$6B = 60$$

$$6C = 20$$

$$1/3 = 0.33$$

$$1/2 = 0.5$$

$$1/6 = 0.16$$

53

$$\text{Lucy} - 2/3 = 0.66$$

$$\text{Nancy} - 5/6 = 0.83 \quad \checkmark$$

$$\frac{2}{3} \times \frac{6}{6} = \frac{12}{18} \quad \text{Lucy}$$

$$\frac{5}{6} \times \frac{3}{3} = \frac{15}{18} \quad \checkmark \quad \text{Nancy}$$