

# Maths 4U

## Fourth Grade

### Pages 14 - 15

### Start

Ask ss if they remember the red digits / numbers strategy they worked with in the previous session.

Write a number several times – downwards – and get ss explaining to you how the strategy works.

Ex  
 $135\ 365 + 1 = 135\ 366$   
 $135\ 365 + 10 = 135\ 375$   
 $135\ 365 + 100 = 135\ 465$   
 $135\ 365 + 1000 = 136\ 365$

### During

Tell ss to look at the numbers on page 14 – tell them to find and circle the digit that must be considered in each case.

Get ss helping you do the math – whole class doing and checking - on the board.

Write four numbers (following a pattern) on the board.

Tell ss to look at the numbers and find what digit changes in each.

Once they find it, ask them to explain what rule / pattern it has.

Write the rule the numbers follow on the board, and then ask ss to help you find the next two numbers – following that rule.

Ex.

123 456  
123 556  
123 656  
123 756

- Rule 100

123 856  
123 956

Draw ss' attention to the sets of numbers below.

Get one kid reading the instructions, and then explain to the class that they must use the previous example as reference for completing the activity.

Ask ss to help you decide on some steps to follow.

**\*Ex\***

1 Look and find the digit that changes – circle it.

2 Decide on what the rule / pattern is.

3 Do the math considering only that digit.

Write on the board the signs + and -.

Ask ss to tell you what each stands for and write the words for the signs next to them.

Write a number on the board and get ss helping you add to and subtract from them.

Remember, go smoothly from easy to complex adding – in terms of how large the numbers you are using are.

Ex

$2451 + 1000 = 3451$   
 $3451 - 100 = 3351$   
 $3351 + 10 = 3361$   
 $3361 - 1 = 3360$

Try to use the number in the example in the book.

Walk ss through working out the following numbers in the grid on page 15.

**2261** – consider the first 2 to **add**

**3261** – consider 2 to **subtract**

**3161** – consider 6 to **add**

**3171** – consider 3 to **subtract**

**2171**

**Note**

Use colours to either circle or underline the digits to be considered at the time.

Do the same with the other numbers.

### End

**It is time for you to decide on the notes for ss to write.**

**It could be ...**

**Option 1 - some sentences explaining how the adding ss worked on in this session can be done.**

**Option 2 – copying / writing down the steps ss helped you create before – they have been marked like so...**

**\*Ex\***