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In **repeating patterns**, the repeating part does not change. For example, in the pattern  $\blacktriangle$   $\blacksquare$   $\blacktriangle$   $\blacksquare$   $\blacktriangle$   $\blacksquare$   $\blacktriangle$   $\blacksquare$   $\blacktriangle$   $\blacksquare$ , the repeating part is  $\blacktriangle$   $\blacksquare$ .

### \* Answers will vary.



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The equals symbol (=) means **balances** or **is the same as**. For example, 7 + 4 = 10 can be read as 7 + 4 balances 10 or 7 + 4 is the same as 10.





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MENTAL MATHS	ADDITION $\notin$ SUBTRACTION         9 + 1 =       10       7       + 7 =       14       4 +       4         2       + 6 =       8       5 + 5 =       10       8       4         4       + 2 =       6       9 + 9 =       18       9       4         7 +       2       =       9       4       + 4 =       8       3 + 9 =         2 + 5 =       7       8       + 8 =       16       9 +       6	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
NUMBER & ALGEBRA	<b>WUMBER &amp; PLACE VALUE</b> I Write the missing numbers on each piece of hundred board. I Place of hundred board. <p< th=""><th><b>DATTERNS É ALGEBRA</b> <b>DATTERNS É ALGEBRA</b> Write the missing number to make each balance picture true. Then write the matching number sentence. 3 + 4 = 7 <math display="block">3 + 4 = 7</math> <math display="block">13 + 4 = 7</math> <math display="block">14 + 7</math> <math display="block">14 + 7</math> <math display="block">14 + 7</math> <math display="block">1</math></th></p<>	<b>DATTERNS É ALGEBRA</b> <b>DATTERNS É ALGEBRA</b> Write the missing number to make each balance picture true. Then write the matching number sentence. 3 + 4 = 7 $3 + 4 = 7$ $14 + 4 = 7$ $14 + 7$ $14 + 7$ $14 + 7$ $1$

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When you **add tens** on a hundred board, you move down the board. When you **add ones**, you move to the right. In the same way, when you **subtract tens**, you move up the board and when you **subtract ones**, you move to the left. 



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A polygon is any closed 2D shape that has 3 or more straight sides. A quadrilateral is any polygon with 4 straight sides.



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2 Draw arrows on the number board above to show how you add each of these.



# FRACTIONS & DECIMALS Жа.



PATTERNS & ALGEBRA

Write the next 4 numbers in each 5 counting pattern. 23, 33, 43, 53, 63, 73, 83

65, 55, 45, **35**, **25**, **15**, **5** 

**ORIGO Education**. 0 3 Colour one-half of each array.

In **growing patterns**, each part increases or decreases in some way that does not change. For example, in the pattern  $\blacktriangle$  ,  $\blacktriangle$   $\blacktriangle$   $\blacksquare$  ,  $\blacktriangle$   $\blacktriangle$   $\blacksquare$   $\blacksquare$   $\blacksquare$  each part increases by  $\blacktriangle$   $\blacksquare$ .



#### DATA REPRESENTATION & INTERPRETATION

11 This tally chart shows the day of some students' birthdays.

Total

5

6

4

a. Write the totals.

 Day
 Tally

 Monday
 |

 Tuesday
 |

 Wednesday
 |

 Thursday
 |

 Friday
 |

 Saturday
 |

Sunday

**b.** Colour boxes beside each day to match the data. Monday has been done for you.



Write a number sentence for this problem. Sophie had \$18. She bought a DVD then she had \$4 left. How much did the DVD cost?

\$18 - \$14 = \$4

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Write your answer in the box.

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**Think addition** to work out the difference between two amounts. For example, the difference between 7 and 4 is 3 because 4 + 3 = 7.

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When you **add 10** to a two-digit whole number, the digit in the tens place changes and the digit in the ones place stays the same.



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When you **compare** two-digit whole numbers, look at the tens digit first. For example, when you compare 54 and 45, you know 54 is greater because 5 tens is more than 4 tens.



#### DATA REPRESENTATION $\xi$ INTERPRETATION

 Some students were asked if they wore a sunshirt at the beach in summer. Their answers are below.

Ruby	Ruby Yes		Yes
Kate	Yes	Nicole	No
Dylan	Yes	Circular	N
Sam	Yes	Cindy	INO
Kayla	Yes	Jen	Yes
Will	No	Ben	Yes

**a.** Write each name in the Venn diagram to match the answer given.

At the Beach Boys Dylan Ruby Will Sam Kate Ben Kayla Ryan Jen Nicole Cindy b. How many girls never wear a sunshirt at the beach?

**c.** How would you describe the students whose names are in the shaded part?

# They are boys who wear sunshirts.



#### NAME



REVIEW

