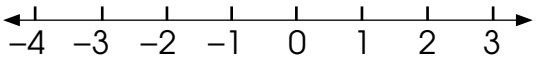
Mentals
5:22

The perimeter of a 2D shape is the distance around its border.

1

3 + 7		9 + 2	
10 + 3		6 + 9	
11 – 5		13 – 5	
16 – 9		18 – 9	

2 Circle minus 3 and 1.

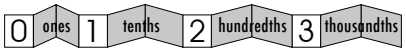


On this number line what is the:

largest number shown? ☐

smallest number shown? ☐

3 Write the decimal for:



ones	tenths	hundredths	thousandths

☐

☐

4 ❀ = 5 bunches. Draw the symbols for:

2 bunches ☐

15 bunches ☐

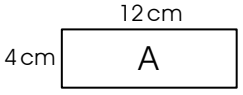
5 4391, 39285, 91793.

On these numerals, circle the 9 that has a value of 9 thousands and the 3 that has a value of 3 ten thousands.

6

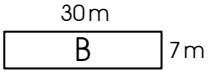
4 × 2		9 × 4	
9 × 5		10 × 0	
16 ÷ 2		27 ÷ 3	
20 ÷ 5		48 ÷ 6	

7 Find the area and perimeter of each shape.



Area = ☐

Perimeter = ☐



Area = ☐

Perimeter = ☐

8 Write the decimal for:

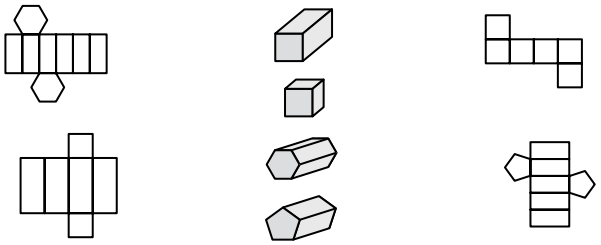
nought point two six eight ☐

$\frac{274}{1000}$ ☐

0·2 + 0·04 + 0·005 ☐

9 A right angle is ☐°.

10 Match each net to a shape.



Data

Use the table and key to complete a picture graph.

Day	Mon	Tues	Wed	Thurs	Fri
Number of books sold	40	35	20	45	10

Total number of books sold = ☐

Key: ▤ = 10 books

Monday	
Tuesday	
Wednesday	
Thusday	
Friday	

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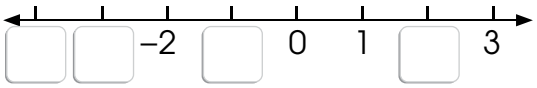
Mixed numerals contain a whole number and a fraction, eg $1\frac{1}{2}$.

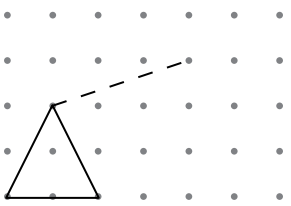
11

1 4 · 3	0 · 6 5
× 5	× 9

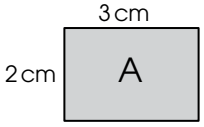
12 Complete the number line.



13 Draw a triangular prism on the isometric dot paper.



14 Draw a different shape with the same perimeter as A.

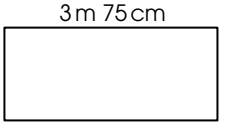


Extension

Date: ☐☐ . ☐☐ ☐☐☐☐

15 The temperature was 1°C, but it has dropped 10°C.
What is the temperature now?

16 What is the perimeter of the rectangle?



17 Write as mixed numbers:

$\frac{25}{2}$ ☐ $\frac{34}{6}$ ☐

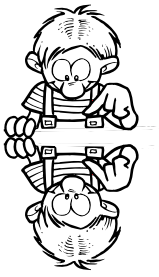
$\frac{73}{9}$ ☐ $\frac{43}{3}$ ☐

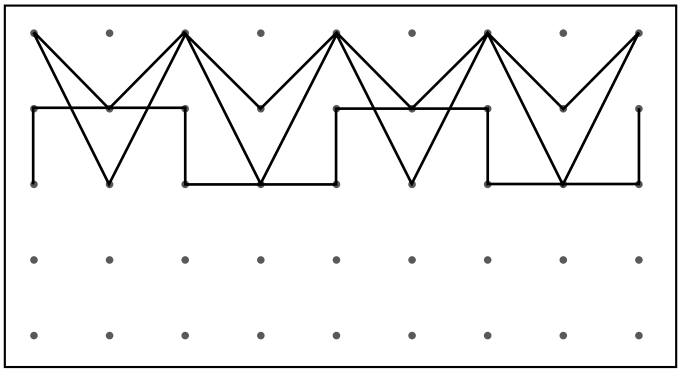
18 If 100 g bags of jelly beans cost 90 cents, 250 g bags cost $2 and 500 g bags cost $3.50, what would be the best way to buy a kilogram?

Fun and Games

Pattern play

Draw the lower part of the picture pattern, to make it symmetrical.

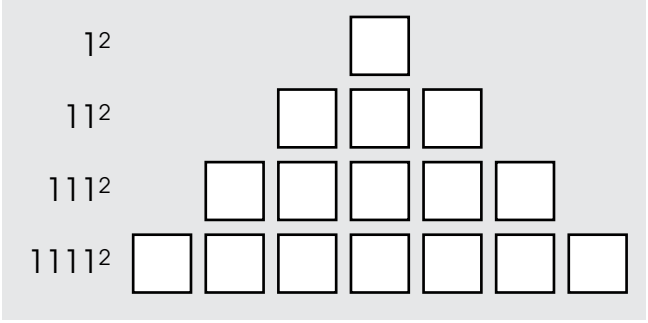




- Complete these patterns. To find the next term, add the previous two terms.
  3, 4, 7, 11, ___ , ___

  The 'Fibonacci Sequence',
  0, 1, 1, 2, 3, 5, 8, ___, ___, ___.

- Use a calculator to find the answers to:



Discuss the patterns made.

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