

# Week 1

## This week in a nutshell:

We begin this term by looking at some topics seen in Year 7. The skills here are fundamental as we build on them going forward in Year 8 and beyond. Students' confidence in these topics is key to developing fluency in topics later in the year. As it is the first week, the focus here is success consequently any time pressure should be minimised or eliminated.

**Question 1:** Numbers as words

**Question 2:** Comparing numbers

**Question 3:** Addition and subtraction

**Question 4:** Lines of symmetry

**Question 5:** Visualising fractions

The questions aim to develop and deepen understanding over the week. Due to the necessity of the topics covered this week, there is an emphasis on the interchangeability of command words, and language flexibility. It may be worth taking some extra time this week to make sure your students are developing their mathematical literacy.

## This week's ideas for class discussion include:

Question 1: **Numbers as words**

- Are there any spellings for numbers that you find difficult to remember?

Question 2: **Comparing numbers**

- What do you first look at when comparing numbers?

Question 3: **Addition and subtraction**

- Are other mathematical operations built from addition and subtraction?

Question 4: **Lines of symmetry**

- How would you describe finding the placement for a line of symmetry?

Question 5: **Visualising fractions**

- Why might diagrams be important to us when doing maths or solving problems?

## Week 1: Day 1

1) Write 207 in words.

2) Use  $<$ ,  $>$  or  $=$

1060  1006

3) Work out:  
 $119 + 82 =$

4) Draw the lines of symmetry on the shape.



5) What fraction is coloured blue in its simplest form?



## Week 1: Day 1 Answers

- 1) Write 207 in words.

Two hundred and seven

- 2) Use  $<$ ,  $>$  or  $=$

1060  $>$  1006

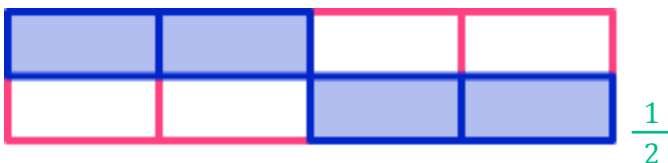
- 3) Work out:

$$119 + 82 = 201$$

- 4) Draw the lines of symmetry on the shape.



- 5) What fraction is coloured blue in its simplest form?



## Week 1: Day 2

1) Write 6190 in words.

2) Use  $<$ ,  $>$  or  $=$

$$-2.03 \square -3.2$$

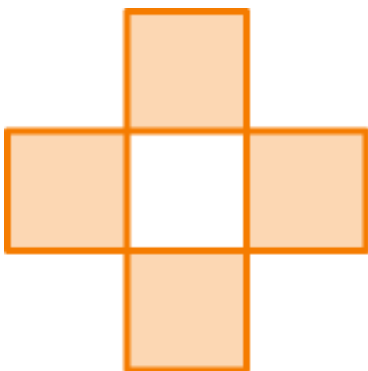
3) Work out:

$$387 - 108 =$$

4) Draw the lines of symmetry on the shape.



5) What fraction of the cross is orange?



## Week 1: Day 2 Answers

- 1) Write 6190 in words.

Six thousand, one hundred and ninety

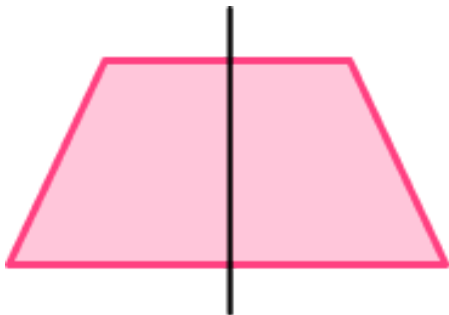
- 2) Use  $<$ ,  $>$  or  $=$

-2.03  $>$  -3.2

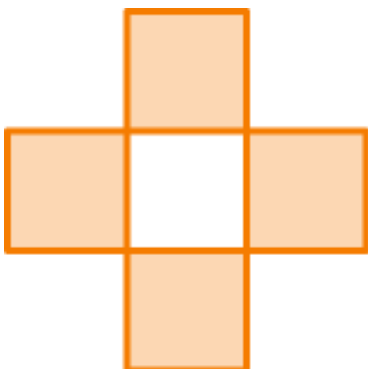
- 3) Work out:

$$387 - 108 = 279$$

- 4) Draw the lines of symmetry on the shape.



- 5) What fraction of the cross is orange?



$\frac{4}{5}$

## Week 1: Day 3

1) Write 30303 in words.

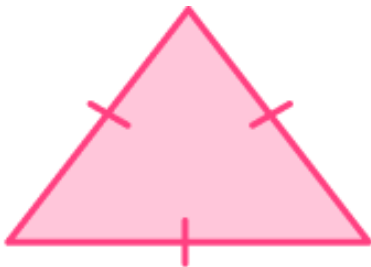
2) Use  $<$ ,  $>$  or  $=$

$$10 \times 2.7 \quad \square \quad 2700 \div 100$$

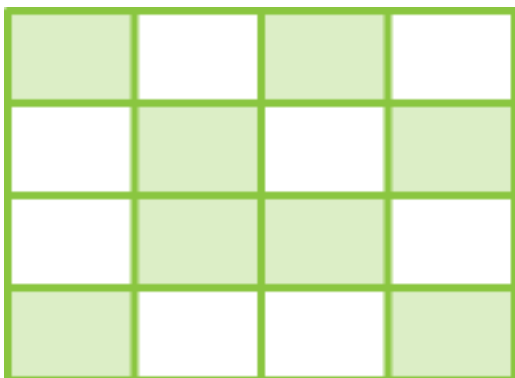
3) Work out:

$$275 + 145 =$$

4) Draw the lines of symmetry on the shape.



5) What fraction of the shape is coloured green?



## Week 1: Day 3 Answers

- 1) Write 30303 in words.

Thirty thousand, three hundred and three

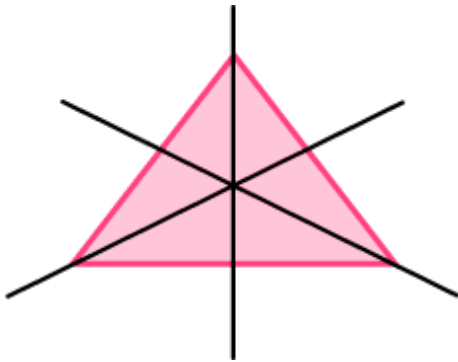
- 2) Use  $<$ ,  $>$  or  $=$

$$10 \times 2.7 \boxed{=} 2700 \div 100$$

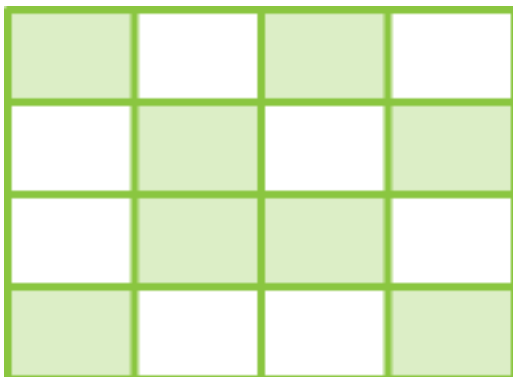
- 3) Work out:

$$275 + 145 = 420$$

- 4) Draw the lines of symmetry on the shape.



- 5) What fraction of the shape is coloured green?



$$\frac{1}{2}$$

## Week 1: Day 4

1) Write 8701 in words.

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2) Use  $<$ ,  $>$  or  $=$

$$\frac{1}{4} \quad \square \quad \frac{3}{8}$$


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3) Work out:

$$836 - 529 =$$


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4) Draw the lines of symmetry on the shape.



5) What fraction of the triangle is coloured purple?





## Week 1: Day 4 Answers

- 1) Write 8701 in words.

Eight thousand, seven hundred and one

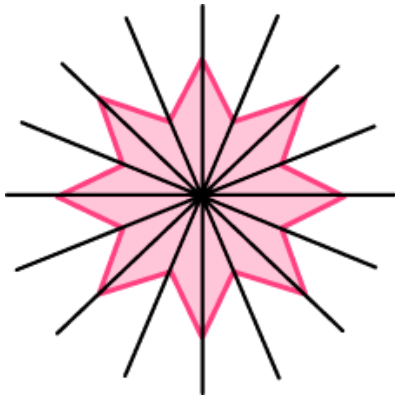
- 2) Use  $<$ ,  $>$  or  $=$

$$\frac{1}{4} \quad \boxed{<} \quad \frac{3}{8}$$

- 3) Work out:

$$836 - 529 = 307$$

- 4) Draw the lines of symmetry on the shape.



- 5) What fraction of the triangle is coloured purple?



$$\frac{6}{9} \text{ or } \frac{2}{3}$$

## Week 1: Day 5

1) Write 68012 in words.

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2) Use  $<$ ,  $>$  or  $=$

4.044  4.0044

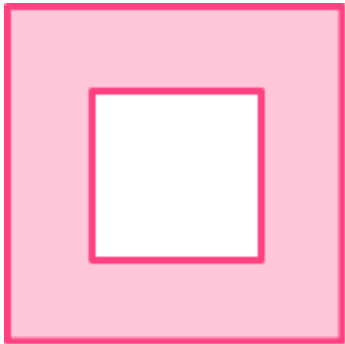
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3) Work out:

$$241 + 107 + 65 =$$


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4) Draw the lines of symmetry on the shape.



5) What fraction of the octagon is coloured yellow?



## Week 1: Day 5 Answers

- 1) Write 68012 in words.

Sixty eight thousand and twelve

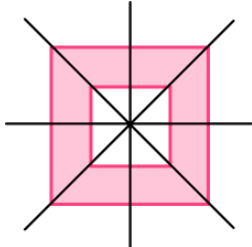
- 2) Use  $<$ ,  $>$  or  $=$

4.044  $>$  4.0044

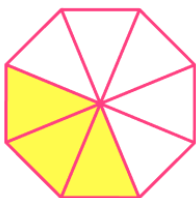
- 3) Work out:

$$241 + 107 + 65 = 413$$

- 4) Draw the lines of symmetry on the shape.



- 5) What fraction of the octagon is coloured yellow?  $\frac{3}{8}$



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