

Hola niñas/niños

I have included the **optional** challenge mat to start the lesson.

Activity mat 1 will be a little less challenging.

Activity mat 2 will be more challenging.

Please choose **just 1 maths mat** to complete before starting the main task.

# Maths Mat 1 -

## Section 1

Write this number:

Four thousand, three hundred and six

In the number 23 648, what place value does the 3 represent?

## Section 2

Calculate the following in your head:

$55 + 60 =$

$45 + 36 =$

$52 - 22 =$

$21 - 12 =$

## Section 3

Calculate:

$2.3 \times 100 =$

$5.1 \times 100 =$

$231 \div 100 =$

$622 \div 100 =$

## Section 4

Round to the nearest whole number:

$2.3 \rightarrow$

$4.6 \rightarrow$

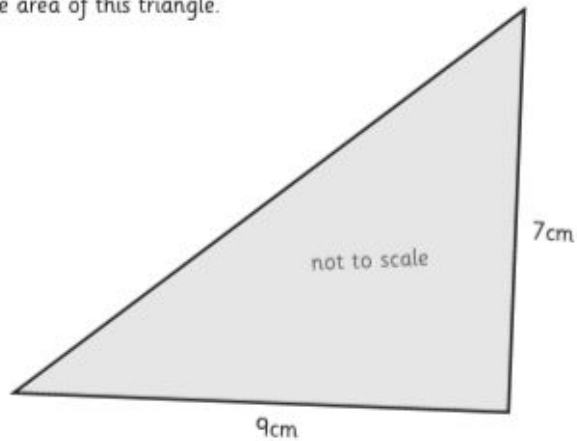
$5.9 \rightarrow$

## Section 5

Tickets to the skating rink cost £17 for children and £23 for adults. What is the total cost for 2 adults and 3 children?

## Section 6

Find the area of this triangle.

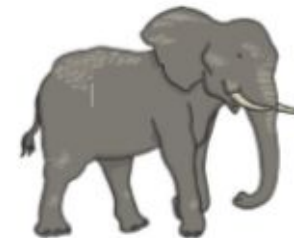


## Section 7

Order these from smallest to largest:

8.8    8.3    8.9    8.5    8.1

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## Section 8

Convert these weights to grams or kilograms:

$4500g =$

$5.2kg =$





For the main task we are going to continue to work from the White Rose site. We are going to calculate fractions of an amount. Please follow the link carefully.

Please let the video guide you when tackling the activity.

1. Copy or click on the link (press Ctrl then click) <https://whiterosemaths.com/homelearning/>

Then click Year 5

**Summer Term Plans**  
White Rose Maths in partnership with the BBC Bitesize Daily team has developed a 12-week learning programme for the summer term. This scheme is designed to help children be ready for their next year of school.  
[Click here for more details](#)

Hello there, Parents and Carers!

As schools worldwide close for now in response to COVID-19 you might be wondering how best to help your child or children with their studies at home.

Always happy to help, the White Rose Maths Team has prepared a series of five maths lessons for each year group from Year 1-8. We will be adding five more each week for the next few weeks. Every lesson comes with a short video showing you clearly and simply how to help your child to complete the activity successfully.

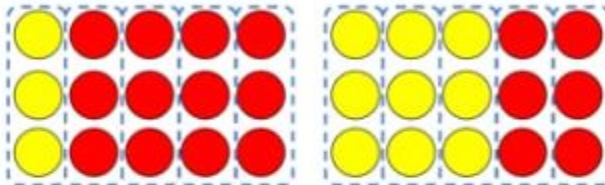
Early Years   Year 1   Year 2  
Year 3   Year 4   Year 5 ← click  
Year 6   Year 7   Year 8  
Year 9   Year 10   By Topic

Home Learning  
Summer Term  
Easter Fun  
Home Learning – Early Years  
Home Learning – Year 1  
Home Learning – Year 2  
Home Learning – Year 3  
Home Learning – Year 4  
Home Learning – Year 5  
Home Learning – Year 6  
Home Learning – Year 7  
Home Learning – Year 8  
Home Learning – Year 9  
Home Learning – Year 10

Click

**First, watch the video to support your learning and use it to work on the activity sheets below.**

### Lesson 3 - Fractions of an amount



$$15 \div 5 = 3$$

$$3 \times 1 = 3$$

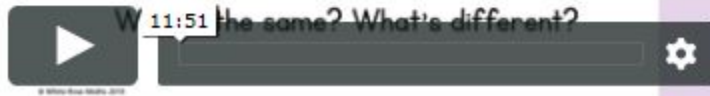
$$\frac{1}{5} \text{ of } 15 = 3$$

$$15 \div 5 = 3$$

$$3 \times 3 = 9$$

$$\frac{3}{5} \text{ of } 15 = 9$$

What do you notice?



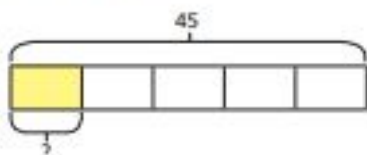
**Looking for the worksheets?** Contact your child's teacher to check if they have a subscription to our worksheets. Alternatively, [read more here](#) or get some extra practice from [BBC Bitesize](#).

## Fractions of an amount

1 Annie and Mo are finding fractions of amounts.

a) Annie is trying to find  $\frac{1}{5}$  of 45

She draws this bar model.

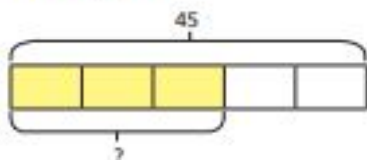


How does the bar model represent the calculation?

What is  $\frac{1}{5}$  of 45?



b) Mo is trying to find  $\frac{3}{5}$  of 45



How does the bar model represent the calculation?

What is  $\frac{3}{5}$  of 45?



c) What is the same and what is different about Mo and Annie's questions?



2 Complete the calculations.

a)  $\frac{1}{3}$  of 27 =     b)  $\frac{1}{3}$  of 72 =     c)  $\frac{1}{3}$  of 90 =

$\frac{2}{3}$  of 27 =      $\frac{1}{6}$  of 72 =      $\frac{2}{6}$  of 90 =

$\frac{3}{3}$  of 27 =      $\frac{1}{12}$  of 72 =      $\frac{3}{9}$  of 90 =

What patterns do you notice?

3 Match the calculations to the correct amounts.

$\frac{5}{8}$  of 48

32

$\frac{2}{3}$  of 48

40

$\frac{5}{6}$  of 48

30

$\frac{3}{4}$  of 48

36

4 Write  $<$ ,  $>$  or  $=$  to compare the calculations.

a)  $\frac{5}{7}$  of 56   $\frac{5}{8}$  of 56

c)  $\frac{2}{3}$  of 63   $\frac{5}{8}$  of 64

b)  $\frac{4}{7}$  of 56   $\frac{5}{8}$  of 56

d)  $\frac{7}{10}$  of 350   $\frac{5}{7}$  of 350

5 165 children and adults go on a school trip.  
Two thirds of the people are children.

a) How many adults are on the school trip?

b)  $\frac{3}{5}$  of the children are boys.

How many boys are on the school trip?

c)  $\frac{7}{10}$  of the children have an apple for lunch.

How many children do **not** have an apple for lunch?

6 Tick the odd one out.

$\frac{3}{4}$  of 80

$\frac{3}{8}$  of 160

$\frac{2}{3}$  of 90


$\frac{3}{4}$  of 100

Explain your choice.

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7 320 people were asked about their favourite flavour of ice cream.  
Here is a pictogram showing the results.

vanilla	
strawberry	
chocolate	
mint choc chip	

a) How many people chose mint choc chip?

b) How many more people chose vanilla than chocolate?

# Answers -

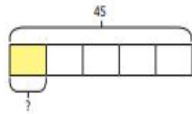
## Fractions of an amount

Rise Maths

1 Annie and Mo are finding fractions of amounts.

a) Annie is trying to find  $\frac{1}{5}$  of 45

She draws this bar model.

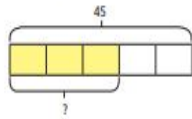


How does the bar model represent the calculation?

What is  $\frac{1}{5}$  of 45?

9

b) Mo is trying to find  $\frac{3}{5}$  of 45



How does the bar model represent the calculation?

What is  $\frac{3}{5}$  of 45?

27

c) What is the same and what is different about Mo and Annie's questions?

2 Complete the calculations.

a)  $\frac{1}{3}$  of 27 = 9    b)  $\frac{1}{3}$  of 72 = 24    c)  $\frac{1}{3}$  of 90 = 30

$\frac{2}{3}$  of 27 = 18     $\frac{1}{6}$  of 72 = 12     $\frac{2}{6}$  of 90 = 30

$\frac{3}{3}$  of 27 = 27     $\frac{1}{12}$  of 72 = 6     $\frac{3}{9}$  of 90 = 30

What patterns do you notice?

3 Match the calculations to the correct amounts.

$\frac{5}{8}$ of 48	$\frac{2}{3}$ of 48	$\frac{5}{6}$ of 48	$\frac{3}{4}$ of 48	32	40	30	36
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(Connections:  $\frac{5}{8}$  of 48 to 30,  $\frac{2}{3}$  of 48 to 32,  $\frac{5}{6}$  of 48 to 36,  $\frac{3}{4}$  of 48 to 40)

4 Write <, > or = to compare the calculations.

a)  $\frac{5}{7}$  of 56 >  $\frac{5}{8}$  of 56    d)  $\frac{2}{3}$  of 63 >  $\frac{5}{8}$  of 64

b)  $\frac{4}{7}$  of 56 <  $\frac{5}{8}$  of 56    d)  $\frac{7}{10}$  of 350 <  $\frac{5}{7}$  of 350

5 165 children and adults go on a school trip. Two thirds of the people are children.

a) How many adults are on the school trip?

55

b)  $\frac{3}{5}$  of the children are boys.

How many boys are on the school trip?

66

c)  $\frac{7}{10}$  of the children have an apple for lunch.

How many children do not have an apple for lunch?

33

6 Tick the odd one out.

$\frac{3}{4}$ of 80	$\frac{3}{8}$ of 160	$\frac{2}{3}$ of 90	$\frac{3}{4}$ of 100
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Explain your choice.

Various answers

7 320 people were asked about their favourite flavour of ice cream. Here is a pictogram showing the results.

vanilla	
strawberry	
chocolate	
mint choc chip	

a) How many people chose mint choc chip?

112

b) How many more people chose vanilla than chocolate?

32



Challenge mat answers 1-

**Section 1**

Write this number:

Four thousand, three hundred and six

**4306**

In the number 23 648, what place value does the 3 represent?

**3000**

**Section 2**

Calculate the following in your head:

$55 + 60 =$  **115**

$45 + 36 =$  **81**

$52 - 22 =$  **30**

$21 - 12 =$  **9**

**Section 3**

Calculate:

$2.3 \times 100 =$  **230**

$5.1 \times 100 =$  **510**

$231 \div 100 =$  **2.31**

$622 \div 100 =$  **6.22**

**Section 4**

Round to the nearest whole number:

$2.3 \rightarrow$  **2**

$4.6 \rightarrow$  **5**

$5.9 \rightarrow$  **6**

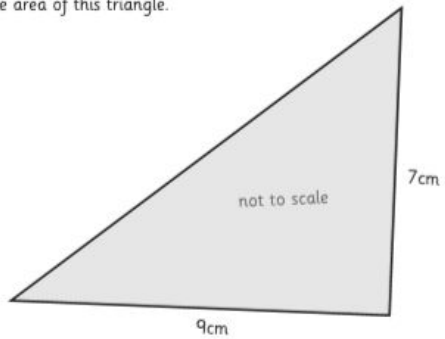
**Section 5**

Tickets to the skating rink cost £17 for children and £23 for adults. What is the total cost for 2 adults and 3 children?

**£97**

**Section 6**

Find the area of this triangle.



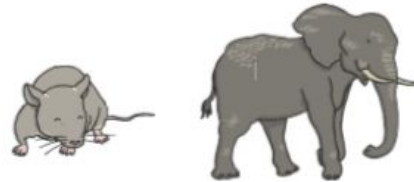
**31.5cm<sup>2</sup>**

**Section 7**

Order these from smallest to largest:

8.8 8.3 8.9 8.5 8.1

**8.1 8.3 8.5 8.8 8.9**



**Section 8**

Convert these weights to grams or kilograms:

$4500g =$  **4.5kg**

$5.2kg =$  **5200g**



Challenge mat 2 answers -

### Section 1

Continue these linear sequences:

4071	5071	6071	7071	8071
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43 002	42 002	41 002	40 002	39 002
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71 112	81 112	91 112	101 112	111 112
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917 823	907 823	897 823	887 823	877 823
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### Section 3

Calculate:

$3 \times 60 = 180$

$50 \times 7 = 350$

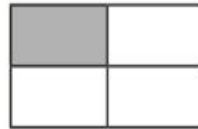
$40 \times 80 = 3200$

$70 \times 110 = 7700$

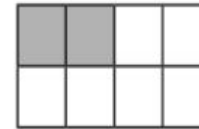
### Section 4

Shade the following rectangles so the same fraction is shaded in both and write the fraction they represent.

Example:



$\frac{1}{4}$



$\frac{2}{8}$

### Section 5

Round the following numbers to the nearest tenth:

$3.05 = 3.1$

$6.78 = 6.8$

$18.83 = 18.8$

$25.95 = 26$

### Section 2

Circle the prime numbers:

- 4      7  
13      16  
19      15  
10      17

### Section 6

Amelia goes to see a film. The film lasts 108 minutes. It starts at 13:20. What time will it finish?

15:08

### Section 7

Use a ruler to draw a rectangle where the longer side is twice the length of the shorter side.

Example:



### Section 8

Translate this shape from point A to point B:

