

Spring Assessment

Year 7

Mathematics

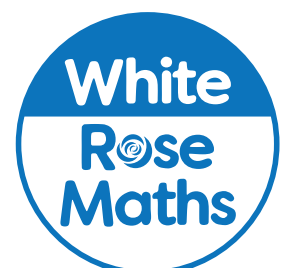
Foundation: No calculator allowed

Time allowed: 45 minutes

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
Teacher						

This assessment has been designed by White Rose Maths.

For more information, please visit www.whiterosemaths.com



1

Rosie has £285

Scott has £36 more than Rosie.

How much money does Scott have?

£

1 mark

2

Work out the calculations.

$$\frac{1}{5} + \frac{1}{5} + \frac{1}{5}$$

$$\frac{6}{7} - \frac{4}{7}$$

$$1 - \frac{3}{8}$$

3 marks

3

Work out the calculations.

$$34 \times 57$$

2 marks

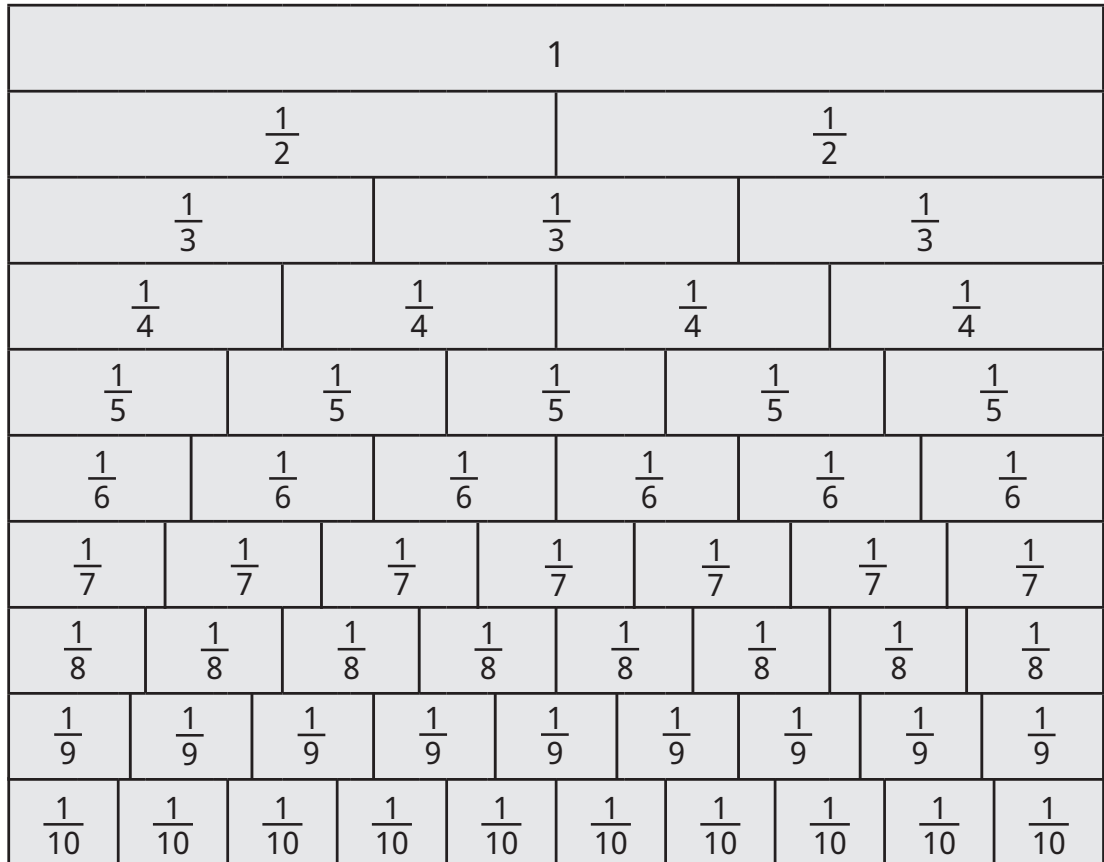
$$1428 \div 4$$

2 marks

4

Complete the equivalent fractions.

You may use the fraction wall to help you.



$$\frac{2}{3} = \frac{4}{\square}$$

$$\frac{8}{10} = \frac{\square}{5}$$

2 marks

5

The table shows the temperature in some cities on a day in February.

Town	Temperature (°C)
Glasgow	-5
Leeds	-2
London	0
Manchester	-1

What is the temperature in Leeds?

 °C

1 mark

In which city is it warmest?

1 mark

What is the difference between the temperature in Manchester and the temperature in Glasgow?

 °C

2 marks

6

Simplify the expressions.

$$a + a + a + a$$

1 mark

$$2b + 5 + 7b$$

1 mark

$$4c - 3d + c + 5d$$

2 marks**7**

Max has 4 packets of sweets and 5 individual sweets.

There are the same number of sweets in each packet.

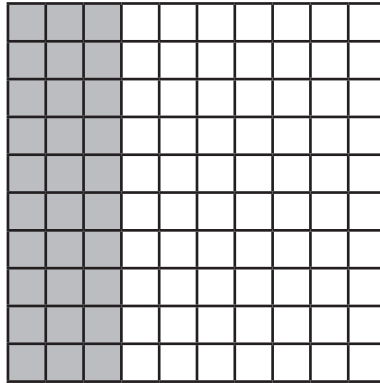
Max has 53 sweets in total.

How many sweets are there in each packet?

3 marks

8

$\frac{3}{10}$ of this grid is shaded.



What percentage of the grid is **not** shaded?

 %

2 marks

9

Work out

$$\frac{3}{5} + \frac{1}{10}$$

2 marks

$$\frac{10}{11} - \frac{1}{2}$$

2 marks

10

Here are the masses of four horses.

475.8 kg

501.2 kg

476.1 kg

490 kg

Write the horses' masses in order of size.

Start with the lightest.

1 mark

Work out the range of the horses' masses.

kg

2 marks

What is the total mass of all four horses?

kg

2 marks

11

Here are the first three terms of a geometric sequence.

17, 34, 68

The term-to-term rule for this sequence is "multiply the previous term by 2"

Work out the next two terms of the sequence.

 ,

2 marks

12

Complete the calculations.

$3 + -5 =$

1 mark

$-3 - 5 =$

1 mark

$3 - -5 =$

1 mark

13

The total cost of a bike and a scooter is £658

The bike costs 3 times as much as the scooter.

How much does the bike cost?

£

3 marks

END OF TEST

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