Year 5 Spring 2 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest.

57 757	55 757	55 557	55 775	57 755

Section 2

A school raises £456.24 for Comic Relief; £145.09 was raised from dressing up, £178.53 from a talent show and the rest from a bake sale. How much money was raised by the bake sale?

Section 3

A teacher wants to arrange 42 children into equal groups. Explain how the teacher may do this.

____ groups of ____ children
____ groups of ____ children
____ groups of ____ children
____ groups of ____ children
____ groups of ____ children
____ groups of ____ child

Section 4

Convert the improper fractions into mixed fractions.

$\frac{12}{5}$ →

$\frac{13}{6}$ →

$\frac{15}{4}$ →

Section 5

Write the decimal fraction that is equivalent to the fraction.

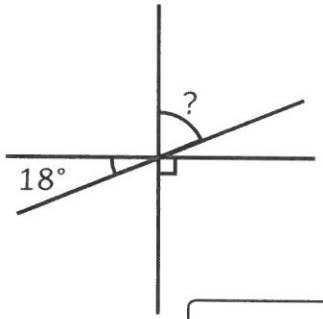
$\frac{1}{4}$	
$\frac{1}{8}$	
$\frac{1}{20}$	

Section 6

Draw a rectilinear shape with a perimeter of 36cm (not to scale). Write the length of all the sides. The shape must not be a simple rectangle.

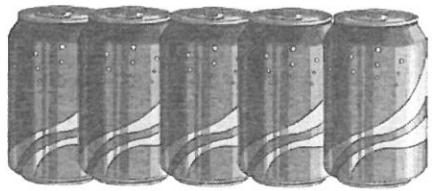
Section 7

Calculate the missing angle:



Section 8

Estimate how many cans of coke it will take to weigh 1kg.



Year 5 Spring 2 Maths Activity Mat 1 **Answers**

Section 1

Order the following numbers from smallest to largest.

57 757	55 757	55 557	55 775	57 755

55 557	55 757	55 775	57 755	57 757

Section 2

A school raises £456.24 for Comic Relief; £145.09 was raised from dressing up, £178.53 from a talent show and the rest from a bake sale. How much money was raised by the bake sale?

£132.62

Section 3

Possible answers:

1 groups of 42 children
2 groups of 21 children
3 groups of 14 children
6 groups of 7 children
7 groups of 6 children
14 groups of 3 children
21 groups of 2 children
42 groups of 1 child

Section 4

Convert the improper fractions into mixed fractions.

$\frac{12}{5}$ → **$2\frac{2}{5}$**

$\frac{13}{6}$ → **$2\frac{1}{6}$**

$\frac{15}{4}$ → **$3\frac{3}{4}$**

Section 5

Write the decimal fraction that is equivalent to the fraction.

$\frac{1}{4}$	**0.25**
$\frac{1}{8}$	**0.125**
$\frac{1}{20}$	**0.05**

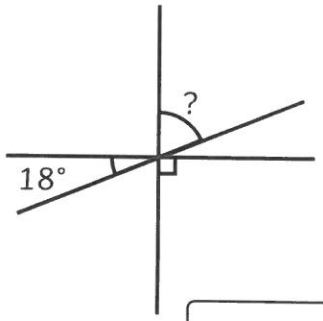
Section 6

Draw a rectilinear shape with a perimeter of 36cm (not to scale). Write the length of all the sides. The shape must not be a simple rectangle.

Various answers

Section 7

Calculate the missing angle:



72°

Section 8

Estimate how many cans of coke it will take to weigh 1kg.

three cans

Year 5 Spring 2 Maths Activity Mat 2

Section 1

Which digit represents the place value thousands in one of these numbers and hundred thousands the other.

256 194 and **619 425**

Section 2

Calculate the following in your head:

36 + 98 =

56 + 49 =

81 – 34 =

107 – 49 =

Section 3

Calculate:

5.7 × 100 =

9.01 × 100 =

510 ÷ 100 =

8020 ÷ 100 =

Section 4

Use the symbols <, >, and = to compare these fractions:

$\frac{4}{5}$ ☐ $\frac{7}{10}$

$\frac{1}{4}$ ☐ $\frac{3}{8}$

$\frac{6}{9}$ ☐ $\frac{2}{3}$

Section 5

Write the following numbers in numerals:

nine point one

zero point zero nine

fourteen point three

Section 6

How many litres in three 250ml bottles of water?

Section 7

Draw a regular quadrilateral.

Section 8

Here is a table showing the favourite pets of children in a school.

Pet	Number
Dog	37
Cat	
Rabbit	28
Fish	24

There are 134 children in the school.
How many children chose cat as their favourite pet?

Year 5 Spring 2 Maths Activity Mat 2 **Answers**

Section 1

Which digit represents the place value thousands in one of these numbers and hundred thousands the other.

256 194 and **619 425**

6

Section 2

Calculate the following in your head:

36 + 98 = **134**

56 + 49 = **105**

81 – 34 = **47**

107 – 49 = **58**

Section 3

Calculate:

5.7 × 100 = **570**

9.01 × 100 = **901**

510 ÷ 100 = **5.1**

8020 ÷ 100 = **80.2**

Section 4

Use the symbols <, >, and = to compare these fractions:

$\frac{4}{5}$ **>** $\frac{7}{10}$

$\frac{1}{4}$ **<** $\frac{3}{8}$

$\frac{6}{9}$ **=** $\frac{2}{3}$

Section 5

Write the following numbers in numerals:

nine point one **9.1**

zero point zero nine **0.09**

fourteen point three **14.3**

Section 6

How many litres in three 250ml bottles of water?

0.75

Section 7

Draw a regular quadrilateral.

Square drawn.

Section 8

Here is a table showing the favourite pets of children in a school.

Pet	Number
Dog	37
Cat	
Rabbit	28
Fish	24

There are 134 children in the school.
How many children chose cat as their favourite pet?

45

Year 5 Spring 2 Maths Activity Mat 3

Section 1

Continue these linear sequences.

352, 1352 ____, ____, ____

43 908, 42 908, ____, ____, ____

78 612, 88 612, ____, ____, ____

39 901, 29 901, ____, ____, ____

Section 2

Ring the prime numbers:

11	12	13	14
15	16	17	18
19	20	21	22
23	24	25	26
27	28	29	30

Section 3

Calculate:

6 × 30 = ☐

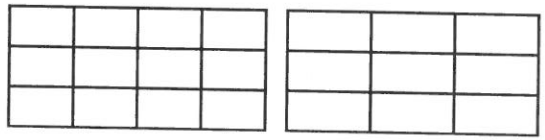
90 × 5 = ☐

70 × 80 = ☐

10 × 120 = ☐

Section 4

Shade the following rectangles so that the same fraction is shaded in both and write the fraction that each represents.



☐ ☐

Section 5

Round the following numbers to the nearest whole number and nearest tenth:

4.55	☐	☐
9.03	☐	☐
7.92	☐	☐
68.05	☐	☐

Section 6

Afternoon lessons start at 12:50 and end at 15:10. How long are the afternoon lessons?

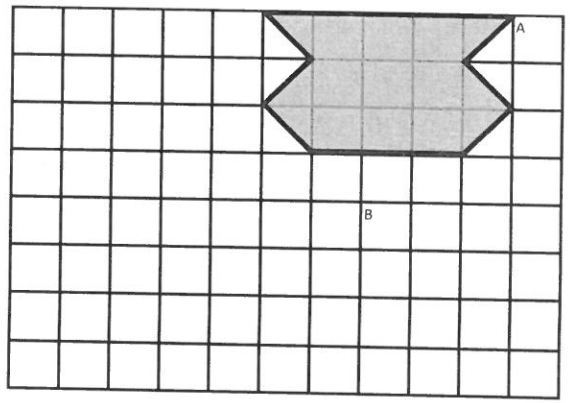
☐

Section 7

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

Section 8

Translate this shape from point A to B.



Year 5 Spring 2 Maths Activity Mat 3 **Answers**

Section 1

Continue these linear sequences.

352, 1352, **2352, 3352, 4352**

43 908, 42 908, **41 908, 40 908, 39 908**

78 612, 88 612, **98 612, 108 612, 118 612**

39 901, 29 901, **19 901, 9 901, -99**

Section 2

Ring the prime numbers:

(11)	12	(13)	14
15	16	(17)	18
(19)	20	21	22
(23)	24	25	26
27	28	(29)	30

Section 3

Calculate:

6 × 30 = **180**

90 × 5 = **450**

70 × 80 = **560**

10 × 120 = **1200**

Section 4

Shade the following rectangles so that the same fraction is shaded in both and write the fraction that each represents.

Various answers.

Section 5

Round the following numbers to the nearest whole number and nearest tenth:

4.55	**5**	**4.6**
9.03	**9**	**9**
7.92	**8**	**7.9**
68.05	**68**	**68.1**

Section 6

Afternoon lessons start at 12:50 and end at 15:10. How long are the afternoon lessons?

2 hours 20 minutes or 140 minutes

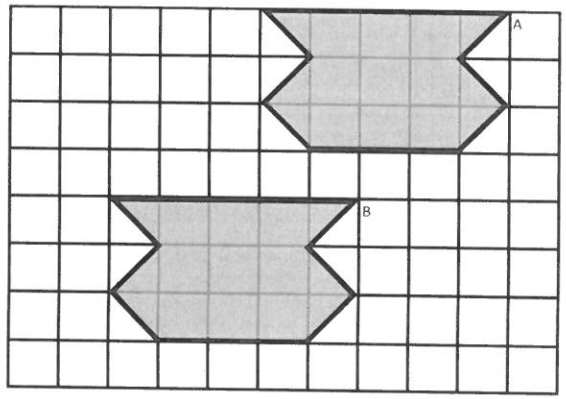
Section 7

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

Various answers.

Section 8

Translate this shape from point A to B.



Year 5 Spring 2 Maths Activity Mat 4

Section 1

The temperature inside is 21°C and outside it is -60C. What is the difference between the temperature inside and outside?

Section 2

A can of lemonade contains 330ml. Cans are sold in packs of four. How much lemonade is there is 12 packs, rounded to the nearest litre?

Section 3

Complete these calculations.

7	5	□	+
2	□	3	
□	□	5	1

4	□	2	-
2	5	□	
□	2	4	

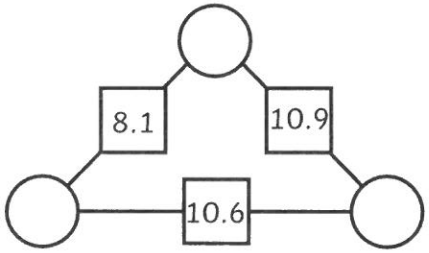
Section 4

Order the following fractions from smallest to largest.

$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{8}$ $\frac{1}{2}$

Section 5

The numbers in the squares are the sum of the numbers in the adjacent circles. Find the numbers in the circles.



Section 6

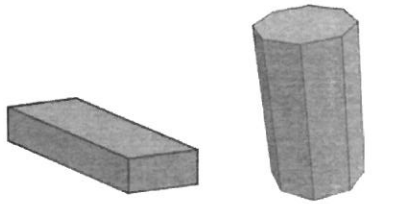
1 yard = 90cm

Complete the following:

30 yards = _____m

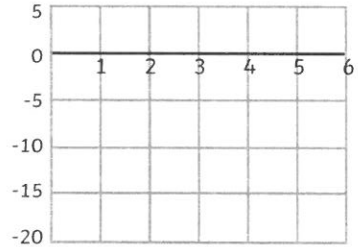
Section 7

Write the name of these shapes.



Section 8

Some children measure the temperature of some ice cream which was taken out of the freezer to melt.



Time	Temperature
0	-18
1	-13
2	-9
3	-5
4	-2
5	1
6	3

Draw the line on the graph.

Year 5 Spring 2 Maths Activity Mat 4 **Answers**

Section 1

The temperature inside is 21°C and outside it is -60C. What is the difference between the temperature inside and outside?

27°C

Section 2

A can of lemonade contains 330ml. Cans are sold in packs of four. How much lemonade is there is 12 packs, rounded to the nearest litre?

16 litres

Section 3

Complete these calculations.

$$\begin{array}{rrrl} 7 & 5 & \mathbf{8} & + \\ 2 & \mathbf{9} & 3 & \\ \hline \mathbf{1} & \mathbf{0} & 5 & 1 \end{array}$$

$$\begin{array}{rrrl} 4 & \mathbf{8} & 2 & - \\ 2 & 5 & \mathbf{8} & \\ \hline \mathbf{2} & 2 & 4 & \end{array}$$

Section 4

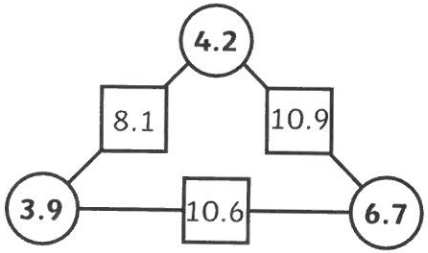
Order the following fractions from smallest to largest.

$\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{8}$ $\frac{1}{2}$

$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$

Section 5

The numbers in the squares are the sum of the numbers in the adjacent circles. Find the numbers in the circles.



Section 6

1 yard = 90cm

Complete the following:

30 yards = **27**m

Section 7

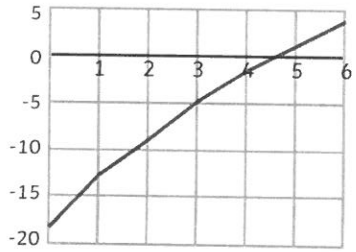
Write the name of these shapes.

cuboid

octagonal prism

Section 8

Some children measure the temperature of some ice cream which was taken out of the freezer to melt.



Draw the line on the graph.

Year 5 Spring 2 Maths Activity Mat 5

Section 1

Write these Roman Numerals as numbers.

CCXLIII → ☐

MCC → ☐

Section 2

Write the two-digit square number where the one digit is double the tens digit.

☐

Section 3

Calculate:

$$\begin{array}{r} 902 \times \\ 14 \\ \hline 3608 \\ 9020 \\ \hline \hline \end{array}$$

$$8 \overline{)5824}$$

Section 4

Calculate:

$\frac{3}{4} + \frac{1}{8} =$ ☐

$\frac{5}{6} - \frac{2}{3} =$ ☐

Section 5

Write the following percentages as fractions:

40% → ☐

25% → ☐

85% → ☐

Section 6

One gallon of petrol is approximately 4.5l. Helen fills her car with 50 litres. How many gallons has she put in her car, to the nearest gallon?

☐

Section 7

Draw a quadrilateral with two obtuse angles and two acute angles, with at least one pair or parallel sides. Label the internal angles.

Section 8

Here is the High Peak Steam Railway timetable.

Rowsley (depart)	13:28
Darley Dale (arrive)	13:33
Darley Dale (depart)	13:35
Matlock (arrive)	13:50
Matlock (depart)	14:00
Darley Dale (arrive)	14:15
Darley Dale (depart)	14:17
Rowsley	14:22

How much travelling time is there on the complete journey?

☐

Year 5 Spring 2 Maths Activity Mat 5 **Answers**

Section 1

Write these Roman Numerals as numbers.

CCXLIII → **243**

MCC → **1200**

Section 2

Write the two-digit square number where the one digit is double the tens digit.

36

Section 3

Calculate:

$$\begin{array}{r} 902 \times \\ 14 \\ \hline 3608 \\ 9020 \\ \hline \mathbf{12628} \end{array}$$

$$8 \overline{)5^{5}8\,{}^{2}2\,{}^{6}4} = \mathbf{0728}$$

Section 4

Calculate:

$\frac{3}{4} + \frac{1}{8} = \boxed{\frac{7}{8}}$

$\frac{5}{6} - \frac{2}{3} = \boxed{\frac{1}{6}}$

Section 5

Write the following percentages as fractions:

40% → $\frac{2}{5}$ or $\frac{4}{10}$ or $\frac{40}{100}$

25% → $\frac{1}{4}$ or $\frac{25}{100}$

85% → $\frac{17}{20}$ or $\frac{85}{100}$

Section 6

One gallon of petrol is approximately 4.5l. Helen fills her car with 50 litres. How many gallons has she put in her car, to the nearest gallon?

11 gallons

Section 7

Draw a quadrilateral with two obtuse angles and two acute angles, with at least one pair or parallel sides. Label the internal angles.

Parallelogram or trapezium drawn, labeling the internal angles acute or obtuse.

Section 8

Here is the High Peak Steam Railway timetable.

Rowsley (depart)	13:28
Darley Dale (arrive)	13:33
Darley Dale (depart)	13:35
Matlock (arrive)	13:50
Matlock (depart)	14:00
Darley Dale (arrive)	14:15
Darley Dale (depart)	14:17
Rowsley	14:22

How much travelling time is there on the complete journey?

40 minutes

Year 5 Spring 2 Maths Activity Mat 6

Section 1

I am a three-digit odd number.

I have one less hundred than I have ones.

I have seven more ones than tens.

The sum of my digits is 13.

What am I?

Section 2

Write the factor pairs of 28.

Write the common factors of nine and 36.

Section 3

Socks are sold into packs of five. A box of contains 24 packs. How many complete boxes will be made from 1030 pairs of socks?

Section 4

Calculate:

$2\frac{1}{3} \times 3 =$

Section 5

Write the following fractions as percentages:

$\frac{3}{4} \rightarrow$

$\frac{2}{5} \rightarrow$

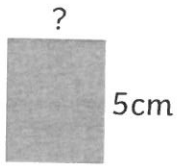
$\frac{3}{5} \rightarrow$

Section 6

The area of these rectangles is $40cm^2$.

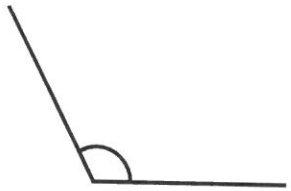
What is the length of the missing side in each?





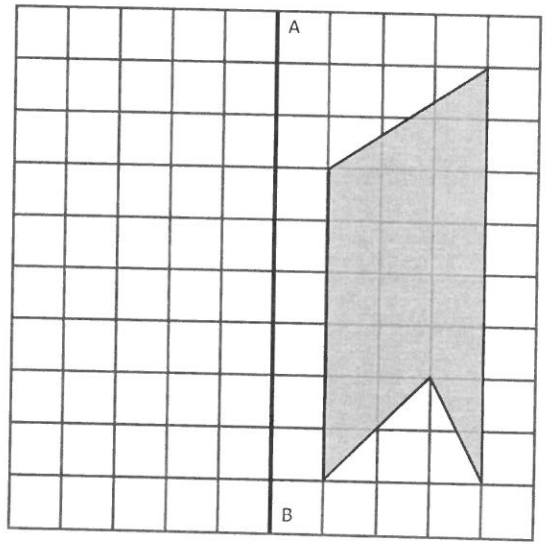
Section 7

Measure this angle.



Section 8

Reflect this shape about the line AB.



Year 5 Spring 2 Maths Activity Mat 6 **Answers**

Section 1

I am a three-digit odd number.

I have one less hundred than I have ones.

I have seven more ones than tens.

The sum of my digits is 13.

What am I? **607**

Section 2

Write the factor pairs of 28.

1 x 28, 2 x 14, 4 x 7

Write the common factors of nine and 36.

1, 3, 9

Section 3

Socks are sold into packs of five. A box of contains 24 packs. How many complete boxes will be made from 1030 pairs of socks?

8

Section 4

Calculate:

$2\frac{1}{3} \times 3 =$ **7**

Section 5

Write the following fractions as percentages:

$\frac{3}{4} \longrightarrow$ **75%**

$\frac{2}{5} \longrightarrow$ **40%**

$\frac{3}{5} \longrightarrow$ **60%**

Section 6

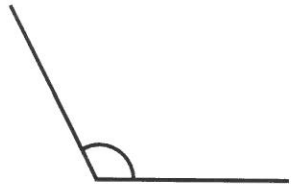
The area of these rectangles is $40cm^2$.

What is the length of the missing side in each?

4cm **8cm**

Section 7

Measure this angle.



117°

Section 8

Reflect this shape about the line AB.

