

Year 5 Spring 1 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest.

1212 1122 2112 1221

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smallest

largest

Section 2

Three children have £4.85 altogether. None has more than £2 or less than £1. How much could they each have?

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Section 3

Eric wants some pizzas cut into 16 pieces. He could have one pizza cut into 16 pieces. Explain 3 other ways he could share some pizzas into 16 pieces.

_____ pizzas cut into _____ pieces.

_____ pizzas cut into _____ pieces.

_____ pizzas cut into _____ pieces.

Section 4

Match the mixed fractions and improper fractions.

$$\frac{7}{2}$$

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

$$\frac{8}{3}$$

$$2\frac{2}{3}$$

$$\frac{11}{4}$$

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

Section 5

Match the following fractions to the equivalent decimal fraction.

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

0.75

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

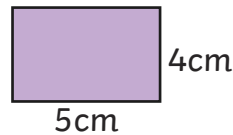
0.5

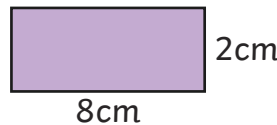
$$\frac{1}{2}$$

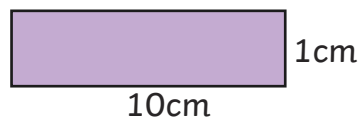
0.2

Section 6

Calculate the perimeter of these rectangles:



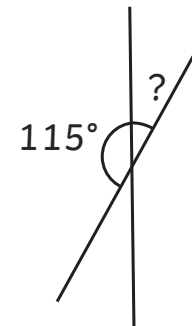




*not to scale

Section 7

Calculate the missing angle:



*not to scale

Section 8

Estimate the capacity of a glass of water in millilitres.



Year 5 Spring 1 Maths Activity Mat 1 - Answers

Section 1

Order the following numbers from smallest to largest.

1212 1122 2112 1221

1122	1212	1221	2112
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smallest

largest

Section 2

Three children have £4.85 altogether. None has more than £2 or less than £1. How much could they each have?

Any 3 amounts that totals £4.85.

Section 3

Eric wants some pizzas cut into 16 pieces. He could have one pizza cut into 16 pieces. Explain 3 other ways he could share some pizzas into 16 pieces.

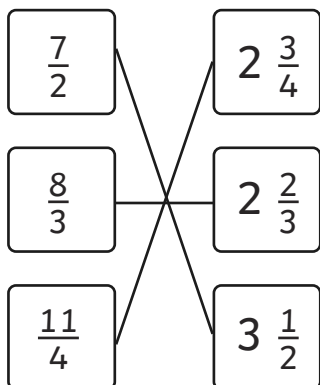
16 pizzas cut into 1 pieces.

2 pizzas cut into 8 pieces.

4 pizzas cut into 4 pieces.

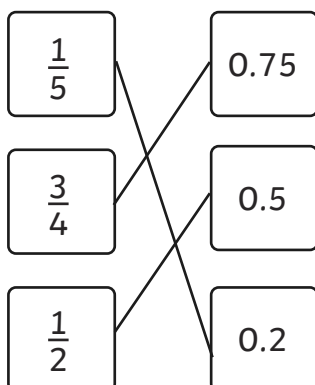
Section 4

Match the mixed fractions and improper fractions.



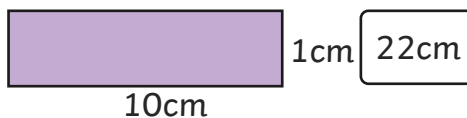
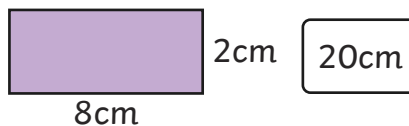
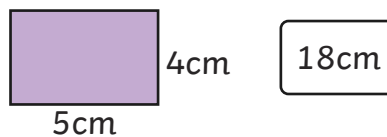
Section 5

Match the following fractions to the equivalent decimal fraction.



Section 6

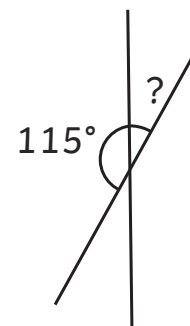
Calculate the perimeter of these rectangles:



*not to scale

Section 7

Calculate the missing angle:



65°

*not to scale

Section 8

Estimate the capacity of a glass of water in millilitres.



around 200ml

Year 5 Spring 1 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest.

78778 87887 77887 88778 77878

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smallest

largest

Section 2

Four children have £17.46 altogether. None has more than £5 or less than £4. How much could they each have?

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Section 3

Eric wants some pizzas cut into 24 pieces. He could have two pizzas cut into 12 pieces. Explain 4 other ways he could share some pizzas into 24 pieces.

___ pizzas cut into ___ pieces.

___ pizzas cut into ___ pieces.

___ pizzas cut into ___ pieces.

___ pizzas cut into ___ pieces.

Section 4

Match the mixed fractions and improper fractions.

$\frac{13}{5}$

$2 \frac{1}{5}$

$\frac{11}{5}$

$3 \frac{2}{5}$

$\frac{17}{5}$

$2 \frac{3}{5}$

Section 5

Write the equivalent to the fractions and decimal fractions.

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0.75

$\frac{3}{10}$

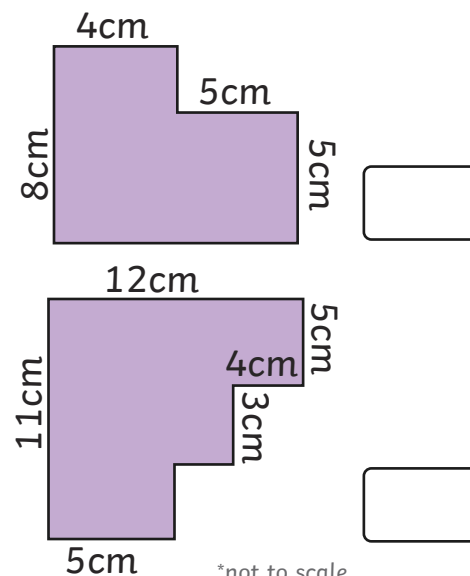
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$\frac{1}{8}$

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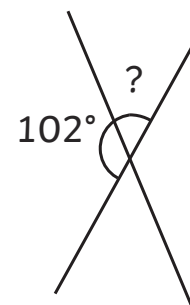
Section 6

Calculate the perimeter of these compound shapes:



Section 7

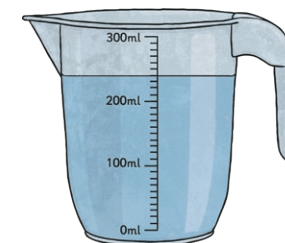
Calculate the missing angle:



*not to scale

Section 8

Estimate the capacity of a jug of water in millilitres.



Year 5 Spring 1 Maths Activity Mat 1 - Answers

Section 1

Order the following numbers from smallest to largest.

78778 87887 77887 88778 77878

77878	77887	78778	87887	88778
smallest				largest

Section 2

Four children have £17.46 altogether. None has more than £5 or less than £4. How much could they each have?

Any 4 amounts that totals
£17.46.

Section 3

Eric wants some pizzas cut into 24 pieces. He could have two pizzas cut into 12 pieces. Explain 4 other ways he could share some pizzas into 24 pieces.

1 pizzas cut into 24 pieces.
12 pizzas cut into 2 pieces.
3 pizzas cut into 8 pieces.
6 pizzas cut into 4 pieces.

Section 4

Match the mixed fractions and improper fractions.

$\frac{13}{5}$	$2 \frac{1}{5}$
$\frac{11}{5}$	$3 \frac{2}{5}$
$\frac{17}{5}$	$2 \frac{3}{5}$

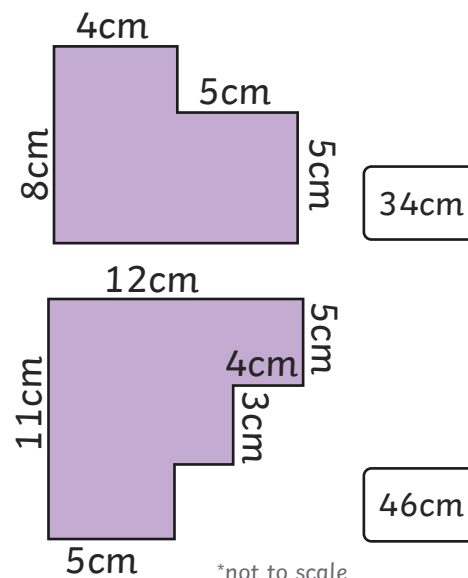
Section 5

Write the equivalent to the fractions and decimal fractions.

$\frac{3}{4}$ or $\frac{75}{100}$	0.75
$\frac{3}{10}$	0.3
$\frac{1}{8}$	0.125

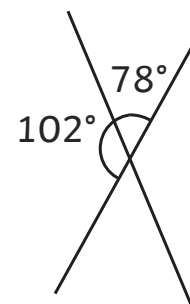
Section 6

Calculate the perimeter of these compound shapes:



Section 7

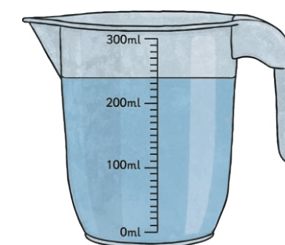
Calculate the missing angle:



78°

Section 8

Estimate the capacity of a jug of water in millilitres.



240ml

Year 5 Spring 1 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest:

50050 15050 50105 15015 50015

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smallest

largest

Section 2

Five children have £23.09 altogether. Three have between £5 and £6, and 2 have between £3 and £4. How much could they each have?

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Section 3

Eric wants some pizzas cut into 60 pieces. Explain all the ways he could share some pizzas into 60 pieces.

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Section 4

Complete the mixed fractions and improper fractions so each pair is equivalent.

$\frac{17}{\quad}$	—	$3\frac{2}{\quad}$
$\frac{13}{\quad}$	—	$2\frac{1}{\quad}$
$\frac{14}{\quad}$	—	$3\frac{2}{\quad}$

Section 5

Write the equivalent to the fractions and decimal fractions.

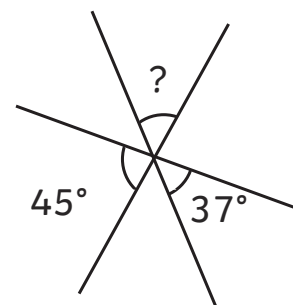
$\frac{\quad}{\quad}$	—	0.35
$\frac{7}{8}$	—	$\frac{\quad}{\quad}$
$\frac{4}{5}$	—	$\frac{\quad}{\quad}$

Section 6

Draw a rectilinear octagon with a perimeter of 52cm. (not to scale). Mark all the necessary measurements.

Section 7

Calculate the missing angle:



*not to scale

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Section 8

Estimate the capacity a bucket of water in litres.



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Year 5 Spring 1 Maths Activity Mat 1 - Answers

Section 1

Order the following numbers from smallest to largest:

50050 15050 50105 15015 50015

15 015	15 050	50 015	50 050	50 105
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smallest

largest

Section 2

Five children have £23.09 altogether. Three have between £5 and £6, and 2 have between £3 and £4. How much could they each have?

Five numbers with a total of £23.09.

Section 3

Eric wants some pizzas cut into 60 pieces. Explain all the ways he could share some pizzas into 60 pieces.

1 – 60, 2 – 30, 3 – 20, 4 – 15, 5 – 12, 6 – 10, 10 – 6, 12 – 5, 15 – 4, 20 – 3, 30 – 2, 60 – 1

Section 4

Complete the mixed fractions and improper fractions so each pair is equivalent.

$\frac{17}{5}$	$3 \frac{2}{5}$
$\frac{13}{6}$	$2 \frac{1}{6}$
$\frac{14}{4}$	$3 \frac{2}{4}$

Section 5

Write the equivalent to the fractions and decimal fractions.

$\frac{7}{20}$	0.35
$\frac{7}{8}$	0.875
$\frac{4}{5}$	0.8

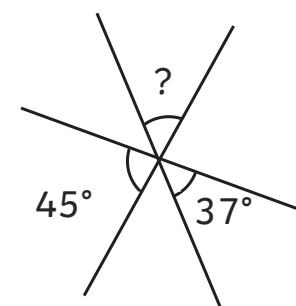
Section 6

Draw a rectilinear octagon with a perimeter of 52cm. (not to scale). Mark all the necessary measurements.

Various answers

Section 7

Calculate the missing angle:



*not to scale

98°

Section 8

Estimate the capacity a bucket of water in litres.



4 – 8 litres