Year 5 Autumn 2 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest.

7667 6767 7676 6776

smallest largest

Section 2

Jules has 46 marbles and Jens has 76 marbles. Omar also has some marbles. Altogether, the three of them have 151 marbles. How many marbles does Omar have?

marbles

Section 3

Explain how 20 marbles can be shared into different equal groups.

____ groups of ____ marbles.

____ groups of ____ marbles.

____ groups of ____ marbles.

____ groups of ____ marbles.

____ groups of ____ marbles.

____ groups of ____ marbles.

Section 4

Convert the improper fractions into mixed fractions.

$\frac{5}{2}$

$\frac{5}{3}$

$\frac{9}{4}$

Section 5

Write the decimal equivalent to the fraction.

$\frac{1}{2}$

$\frac{1}{4}$

$\frac{1}{5}$

Section 6

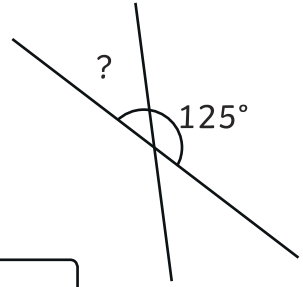
Draw a rectangle with a perimeter of 26cm. (not to scale). Mark the length of the 2 different sides.

Section 8

Estimate the weight of 1 apple.

Section 7

Calculate the missing angle:



(Not to scale.)

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

Section 1

Order the following numbers from smallest to largest.

7667 6767 7676 6776

6767	**6776**	**7667**	**7676**

smallest largest

Section 2

Jules has 46 marbles and Jens has 76 marbles. Omar also has some marbles. Altogether, the three of them have 151 marbles. How many marbles does Omar have?

29 marbles

Section 3

Explain how 20 marbles can be shared into different equal groups.

1 groups of **20** marbles.

2 groups of **10** marbles.

4 groups of **5** marbles.

5 groups of **4** marbles.

10 groups of **2** marbles.

20 groups of **1** marbles.

Section 4

Convert the improper fractions into mixed fractions.

$\frac{5}{2}$ $2\frac{1}{2}$

$\frac{5}{3}$ $1\frac{2}{3}$

$\frac{9}{4}$ $2\frac{1}{4}$

Section 5

Write the decimal equivalent to the fraction.

$\frac{1}{2}$ = **0.5**

$\frac{1}{4}$ = **0.25**

$\frac{1}{5}$ = **0.2**

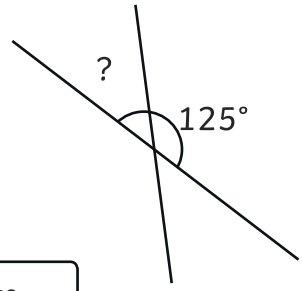
Section 6

Draw a rectangle with a perimeter of 26cm. (not to scale). Mark the length of the 2 different sides.

Various answers including: 2cm x 11cm, 3cm x 10cm, 6cm x 7cm (sides add to 13cm).

Section 7

Calculate the missing angle:



55°

(Not to scale.)

Section 8

Estimate the weight of 1 apple.

About 100g – 175g.

Year 5 Autumn 2 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest.

92 292 **99 929** **92 299** **99 992** **92 929**

smallest largest

Section 2

A football stadium has 26 230 seats. For a match, the club sells 12 892 adult tickets and 7901 child tickets. How many empty seats are there?

empty seats

Section 3

Explain how 32 marbles can be shared into different equal groups.

____ groups of ____ marbles.

____ groups of ____ marbles.

____ groups of ____ marbles.

____ groups of ____ marbles.

____ groups of ____ marbles.

____ groups of ____ marbles.

Section 4

Match the mixed fractions and improper fractions.

$\frac{11}{4}$	$2\frac{2}{5}$
$\frac{12}{5}$	$2\frac{3}{4}$
$\frac{16}{3}$	$5\frac{1}{3}$

Section 5

Write the decimal equivalent to the fractions.

$\frac{1}{4}$ =

$\frac{1}{10}$ =

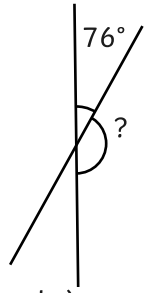
$\frac{1}{8}$ =

Section 6

Draw a rectilinear shape with a perimeter of 32cm (not to scale). Mark the length of all the sides. The shape must not be a simple rectangle.

Section 7

Calculate the missing angle:



(Not to scale.)

Section 8

Estimate how many apples might weigh 1kg.

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

Section 1

Order the following numbers from smallest to largest.

92 292 **99 929** **92 299** **99 992** **92 929**

92 292	**92 299**	**92 929**	**99 929**	**99 992**

smallest largest

Section 2

A football stadium has 26 230 seats. For a match, the club sells 12 892 adult tickets and 7901 child tickets. How many empty seats are there?

5437 empty seats

Section 3

Explain how 32 marbles can be shared into different equal groups.

1 groups of **32** marbles.

2 groups of **16** marbles.

4 groups of **8** marbles.

8 groups of **4** marbles.

16 groups of **2** marbles.

32 groups of **1** marbles.

Section 4

Match the mixed fractions and improper fractions.

$\frac{11}{4}$ — $2\frac{2}{5}$

$\frac{12}{5}$ — $2\frac{3}{4}$

$\frac{16}{3}$ — $5\frac{1}{3}$

Section 5

Write decimal the equivalent to the fractions.

$\frac{1}{4}$ = **0.25**

$\frac{1}{10}$ = **0.1**

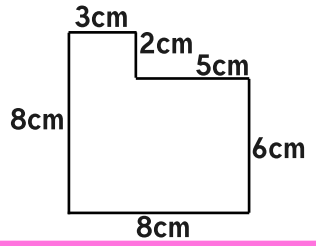
$\frac{1}{8}$ = **0.125**

Section 6

Draw a rectilinear shape with a perimeter of 32cm (not to scale). Mark the length of all the sides. The shape must not be a simple rectangle.

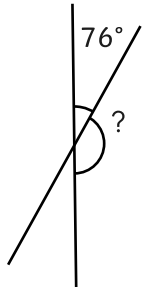
Various answers.

One could be:



Section 7

Calculate the missing angle:



(Not to scale.)

104°

Section 8

Estimate how many apples might weigh 1kg.

5 to 8 apples

Year 5 Autumn 2 Maths Activity Mat 1

Section 1

Order these numbers from smallest to largest, writing them in numerals: Forty-six thousand, six hundred and forty-six; sixty-four thousand, four hundred and sixty-four; forty-six thousand, four hundred and sixty-four; sixty-four thousand, four hundred and forty-six; forty-six thousand, six hundred and forty-four.

smallest largest

Section 2

391 276 tickets were sold by a zoo in one year. Complete this table.

Adult tickets	208 217
Child tickets	
Family tickets	76 810

Section 3

Explain how 48 marbles can be shared into different equal groups.

Section 4

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

$\frac{9}{\square}$ $2\frac{1}{\square}$

$\frac{12}{\square}$ $2\frac{2}{\square}$

$\frac{17}{\square}$ $5\frac{2}{\square}$

Section 5

Write the decimal equivalent to the fraction.

$\frac{1}{20}$ =

$\frac{1}{16}$ =

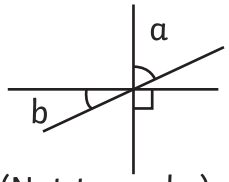
$\frac{1}{50}$ =

Section 6

Draw a rectilinear octagon with a perimeter of 42cm. (not to scale). Mark all the necessary measurements.

Section 7

What could the two unknown angles be?

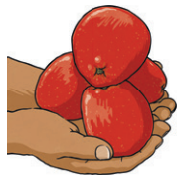


(Not to scale.)

a = b =

Section 8

A box of apples contains 24 apples. Estimate the weight of the apples.



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

Section 1

Order these numbers from smallest to largest, writing them in numerals: Forty-six thousand, six hundred and forty-six; sixty-four thousand, four hundred and sixty-four; forty-six thousand, four hundred and sixty-four; sixty-four thousand, four hundred and forty-six; forty-six thousand, six hundred and forty-four.

46 464	**46 644**	**46 646**	**64 446**	**64 464**

smallest largest

Section 2

391 276 tickets were sold by a zoo in one year. Complete this table.

Adult tickets	208 217
Child tickets	**106 249**
Family tickets	76 810

Section 3

Explain how 48 marbles can be shared into different equal groups.

1 group of 48 marbles
2 groups of 24 marbles
3 groups of 16 marbles
4 groups of 12 marbles
6 groups of 8 marbles
8 groups of 6 marbles
12 groups of 4 marbles
16 groups of 3 marbles
24 groups of 2 marbles
48 groups of 1 marble

Section 4

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

$\frac{9}{4}$ $2\frac{1}{4}$

$\frac{12}{5}$ $2\frac{2}{5}$

$\frac{17}{3}$ $5\frac{2}{3}$

Section 5

Write the decimal equivalent to the fraction.

$\frac{1}{20}$ = **0.05**

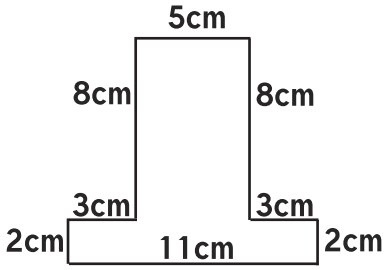
$\frac{1}{16}$ = **0.0625**

$\frac{1}{50}$ = **0.02**

Section 6

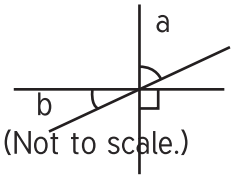
Draw a rectilinear octagon with a perimeter of 42cm. (not to scale). Mark all the necessary measurements.

Various answers. One could be:



Section 7

What could the two unknown angles be?



(Not to scale.)

Various answers where a + b = 90°

Section 8

A box of apples contains 24 apples. Estimate the weight of the apples.

2.5kg to 4kg