

Year 5 Autumn 2 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest.

7667 6767 7676 6776

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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.

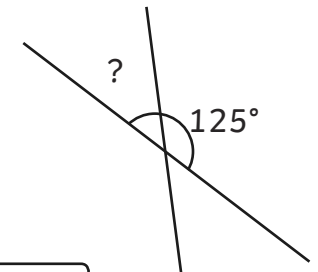
Section 8

Estimate the weight of 1 apple.



Section 7

Calculate the missing angle:



(Not to scale.)

Year 5 Autumn 2 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest.

7667 6767 7676 6776

6767	6776	7667	7676
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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 8

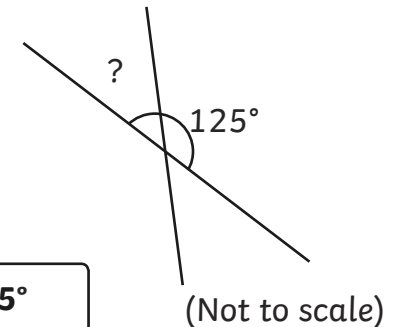
Estimate the weight of 1 apple.



About 100g - 175g.

Section 7

Calculate the missing angle:



55°

(Not to scale)

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

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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.

$$\frac{11}{4} \quad 2\frac{2}{5}$$

$$\frac{12}{5} \quad 2\frac{3}{4}$$

$$\frac{16}{3} \quad 5\frac{1}{3}$$

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.

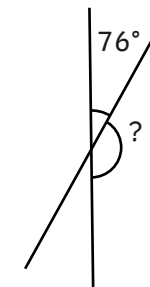
Section 8

Estimate how many apples might weigh 1kg.



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.

92 292 99 929 92 299 99 992 92 929

92 292	92 299	92 929	99 929	99 992
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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.

$$\frac{11}{4} \quad 2\frac{2}{5}$$

$$\frac{12}{5} \quad 2\frac{3}{4}$$

$$\frac{16}{3} \quad 5\frac{1}{3}$$

Section 5

Write the decimal equivalent to the fractions.

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

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

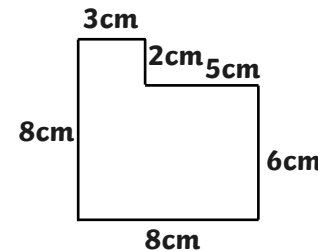
$$\frac{1}{8} = 0.125$$

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 8

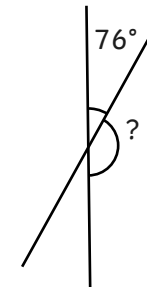
Estimate how many apples might weigh 1kg.



5 to 8 apples

Section 7

Calculate the missing angle:



(Not to scale.)

104°

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.

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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.

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

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

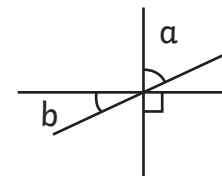
$$\frac{1}{50} =$$

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 =
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Section 8

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



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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.

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

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

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

Section 5

Write the decimal equivalent to the fraction.

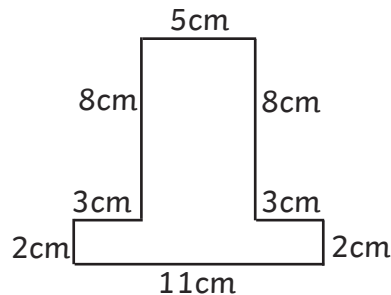
$$\frac{1}{20} = \mathbf{0.05}$$

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

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

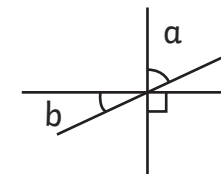
Section 6

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.)

Various answers where $a + b = 90^\circ$

Section 8

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

2.5kg to 4kg