

Year 6 Spring 2 Maths Activity Mat

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1 Order the following numbers from smallest to largest:

77 677, 76 767, 77 776, 76 676

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4 Simplify the following fractions.

$$\frac{6}{9}$$

$$\frac{4}{8}$$

7 I have one curved face and I look like a ball. What am I?

2 Here are some estimated answers to some calculations. Tick the reasonable estimates. Tick the reasonable estimates.

$390 \times 5 = 2000$

$7021 - 2978 = 5000$

$279 \div 4 = 70$

5 Calculate:

$$0.2 \times 10 =$$

$$0.7 \times 10 =$$

$$0.4 \times 10 =$$

8 Some children research children's favourite sports. They show the results in a pie chart colour.

football

tennis

athletics



15 children chose tennis.

How many children chose football?

3 A teacher organises 172 children into groups of six children. How many groups of six children will there be?

6 Convert the following:

2l = _____ ml

_____ l = 5000 ml

Year 6 Spring 2 Maths Activity Mat

1

Order the following numbers from smallest to largest:

776 776, 767 767, 767 677, 776 677

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1

A teacher organises 354 children into groups of eight children. How many groups of eight children will there be?

3

I have two flat faces that are circles, which are parallel to each other. The other face is a curved face that joins the circles. What am I?

7

Here are some estimated answers to some calculations. Tick the reasonable estimates.

- $785 \times 8 \approx 7000$
 $65\,712 - 34\,989 \approx 20\,000$
 $653 \div 13 \approx 50$

Explain why any estimates are unreasonable. _____

2

Simplify the following fractions.

$$\frac{6}{15}$$

$$\frac{24}{32}$$

4

Calculate:

$$0.1 \times 100 =$$

$$0.8 \times 100 =$$

$$0.4 \times 100 =$$

5

Convert the following:

$$0.3\text{l} = \text{_____ ml}$$

$$\text{_____ l} = 5800 \text{ ml}$$

6

Some children research children's favourite sports. They show the results in a pie chart.

- football
- swimming
- cricket



24 children chose football. Estimate how many children chose cricket?

8

Year 6 Spring 2 Maths Activity Mat

1

Order the following numbers from smallest to largest, writing the answers in numerals:

Seven hundred and sixty-six thousand, seven hundred and sixty-six; seven hundred and sixty-seven thousand, seven hundred and seventy-seven; seven hundred and sixty-seven thousand, six hundred and seventy-six; seven hundred and sixty-six thousand, six hundred and seventy-seven.

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1

A school has 21 classes of 28 children. The children are arranged into groups of eight. How many groups of eight children will there be?

3

I have eight faces that are all triangles. What am I? Draw me.

7

Simplify the following fractions.

$$\frac{15}{27}$$

$$\frac{45}{75}$$

4

Calculate:

$$0.7 \times 110 =$$

$$0.4 \times 1001 =$$

$$0.9 \times 1010 =$$

5

Convert the following:

$$8\text{ml} = \text{_____ l}$$

$$\text{_____ cl} = 0.093\text{l}$$

6

Some children research children's favourite sports. They show the results in a pie chart.

-  football
-  swimming
-  cricket
-  golf



40 children chose cricket. Estimate how many children chose each of the other sports?

Football _____

Golf _____

Swimming _____

8

Here are some estimated answers to some calculations. Tick the reasonable estimates.

$508 \times 12 \approx 6000$

$9\ 231\ 409 - 5\ 791\ 231 \approx 3\ 500\ 000$

$76\ 012 \div 17 \approx 3000$

Explain your answers.

2

Year 6 Spring 2 Maths Activity Mat

1

Order the following numbers from smallest to largest:

77 677, 76 767, 77 776, 76 676

76 676	76 767	77 677	77 776
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1

Simplify the following fractions.

$$\frac{6}{9} \rightarrow \frac{2}{3}$$

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

4

I have one curved face and I look like a ball. What am I?

Sphere

7

Here are some estimated answers to some calculations. Tick the reasonable estimates.

$390 \times 5 = 2000$

$7021 - 2978 = 5000$

$279 \div 4 = 70$

2

Calculate:

$$0.2 \times 10 = 2$$

$$0.7 \times 10 = 7$$

$$0.4 \times 10 = 4$$

5

Convert the following:

$$2\text{l} = 2000\text{ml}$$

$$5\text{l} = 5000\text{ml}$$

6

A teacher organises 172 children into groups of six children. How many groups of six children will there be?

28 groups (four children left over)

3

Some children research children's favourite sports. They show the results in a pie chart colour.

football

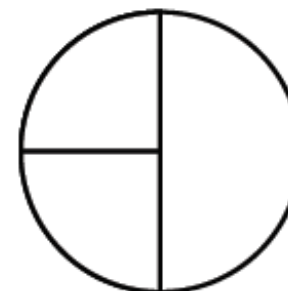
tennis

athletics

15 children chose tennis.

How many children chose football?

30



8

Year 6 Spring 2 Maths Activity Mat

1

Order the following numbers from smallest to largest:

776 776, 767 767, 767 677, 776 677

767 677 767 767 776 677 776 776

1

A teacher organises 354 children into groups of eight children. How many groups of eight children will there be?

44 groups (two children left over)

3

I have two flat faces that are circles, which are parallel to each other. The other face is a curved face that joins the circles. What am I?

A cylinder

7

Here are some estimated answers to some calculations. Tick the reasonable estimates.

- $785 \times 8 = 7000$
 $65\ 712 - 34\ 989 = 20\ 000$
 $653 \div 13 = 50$

Explain why any estimates are unreasonable.

$800 \times 8 = 6400$ and answer must be smaller

$65 - 34 = 31$, so $30\ 000$ a better estimate.

2

Simplify the following fractions.

$$\frac{6}{15} = \frac{2}{5} \qquad \frac{24}{32} = \frac{3}{4}$$

4

Calculate:

$$0.1 \times 100 = \mathbf{10}$$

$$0.8 \times 100 = \mathbf{80}$$

$$0.4 \times 100 = \mathbf{40}$$

5

Convert the following:

$$0.3\text{l} = \mathbf{300\text{ml}}$$

$$\mathbf{5.8\text{l}} = 5800\text{ ml}$$

6

Some children research children's favourite sports. They show the results in a pie chart.

- football
 swimming
 cricket



24 children chose football. Estimate how many children chose cricket?

18 (allow 16-20)

8

Year 6 Spring 2 Maths Activity Mat

1

Order the following numbers from smallest to largest, writing the answers in numerals:

Seven hundred and sixty-six thousand, seven hundred and sixty-six; seven hundred and sixty-seven thousand, seven hundred and seventy-seven; seven hundred and sixty-seven thousand, six hundred and seventy-six; seven hundred and sixty-six thousand, six hundred and seventy-seven.

766 677 766 766 767 676 767 777

1

A school has 21 classes of 28 children. The children are arranged into groups of eight. How many groups of eight children will there be?

73 groups (four children left over)

3

Simplify the following fractions.

$$\frac{15}{27} = \frac{5}{9} \quad \frac{45}{75} = \frac{3}{5}$$

4

Calculate:

$$0.7 \times 110 = 77$$

$$0.4 \times 1001 = 400.4$$

$$0.9 \times 1010 = 909$$

5

Convert the following:

$$8\text{ml} = 0.008\text{l}$$

$$9.3\text{cl} = 0.093\text{l}$$

6

I have eight faces that are all triangles. What am I? Draw me.

An octahedron



7

Some children research children's favourite sports. They show the results in a pie chart.

- football
- swimming
- cricket
- golf



Football 64

Golf 16

Swimming 40

(Swimming should be 40 as it's the same as cricket, football and golf must add up to 80 but could be 63/17 to 65/15)

8