

Section 1

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

three hundred and thirty seven thousand, seven hundred and seventy three; three hundred and seventy seven thousand seven hundred and thirty three; three hundred and seventy seven thousand, three hundred and seventy seven; three hundred and thirty three thousand, seven hundred and thirty seven.

--	--	--	--

smallest

largest

Section 5

Calculate:

$0.2 \times 100 =$

$0.9 \times 1000 =$

$0.6 \times 1100 =$

Section 7

Write a description of a triangular prism.

.....

.....

.....

Section 2

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

$487 \times 18 \approx 10\,000$

$3\,459\,103 + 6\,309\,287 \approx 10\,000\,000$

$7345 \div 7 \approx 100$

.....

.....

.....

Section 4

Simplify the following fractions:

$\frac{12}{30} =$ $\frac{16}{32} =$

Section 6

Convert the following:

$2\text{g} =$ kg

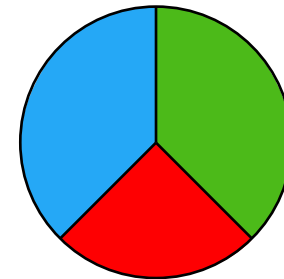
$\text{g} = 0.45\text{kg}$

Section 3

A baker makes 638 cookies. He packs them in boxes of 12 cookies. How many more cookies are needed to fill 54 boxes?

Section 8

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



32 children were asked about their favourite colour. How many children chose each colour?

red = green = blue =

Year 6 Maths Activity Mat: 1

Answers

Section 1

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

three hundred and thirty seven thousand, seven hundred and seventy three; three hundred and seventy seven thousand seven hundred and thirty three; three hundred and seventy seven thousand, three hundred and seventy seven; three hundred and thirty three thousand, seven hundred and thirty seven.

333 737	337 773	377 377	377 733
smallest			largest

Section 2

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

$$487 \times 18 \approx 10\,000 \quad \checkmark$$

$$3\,459\,103 + 6\,309\,287 \approx 10\,000\,000 \quad \checkmark$$

$$7345 \div 7 \approx 100$$

.....
.....
.....

Section 4

Simplify the following fractions:

$$\frac{12}{30} = \frac{2}{5} \quad \frac{16}{32} = \frac{1}{2}$$

Section 3

A baker makes 638 cookies. He packs them in boxes of 12 cookies. How many more cookies are needed to fill 54 boxes?

10 cookies

Section 5

Calculate:

$$0.2 \times 100 = 20$$

$$0.9 \times 1000 = 900$$

$$0.6 \times 1100 = 660$$

Section 6

Convert the following:

$$2\text{g} = 0.002\text{kg}$$

$$450\text{g} = 0.45\text{kg}$$

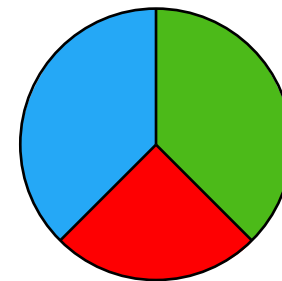
Section 7

Write a description of a triangular prism.

A triangular prism has 5 faces – 2 equal triangles and 3 rectangles. The triangles are at either end of the shape, parallel and in line with each other. Each rectangle joins the matching edges of the triangles. Usually the triangles are equilateral and the rectangles are equal, but this does not have to be the case.

Section 8

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



32 children were asked about their favourite colour. How many children chose each colour?

$$\text{red} = 8$$

$$\text{green} = 12$$

$$\text{blue} = 12$$