Year 6 Maths Activity Mat

Section 1

Order the following numbers from smallest to largest:

37 377, 33 773, 33 373, 37 737

smallest   largest

Section 2

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

$214 \times 6 \approx 1200$

$4535 + 3892 \approx 7000$

$448 \div 5 \approx 90$

Section 4

Simplify the following fractions:

$\frac{2}{8} = \boxed{}$

$\frac{3}{6} = \boxed{}$

Section 3

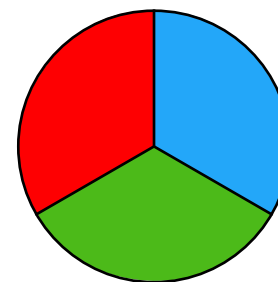A baker makes 25 cakes. He sells them in boxes of 4 cakes. How many boxes can he fill from the 25 cakes?

Section 5

Calculate:

$0.2 \times 10 = \boxed{}$

$0.9 \times 10 = \boxed{}$

$0.4 \times 10 = \boxed{}$

Section 6

Convert the following:

$1kg = \boxed{} g$

$\boxed{} kg = 2000g$

Section 7

Write a description of a cube.

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....
....

Section 8

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

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

red = $\boxed{}$ green = $\boxed{}$ blue = $\boxed{}$

Year 6 Maths Activity Mat: 1

Answers

Section 1

Order the following numbers from smallest to largest:

37 377, 33 773, 33 373, 37 737

33 373	33 773	37 377	37 737

smallest   largest

Section 2

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

$214 \times 6 \approx 1200$ ✔

$4535 + 3892 \approx 7000$

$448 \div 5 \approx 90$ ✔

Section 4

Simplify the following fractions:

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

$\frac{3}{6}$ = $\frac{1}{2}$

Section 3

A baker makes 25 cakes. He sells them in boxes of 4 cakes. How many boxes can he fill from the 25 cakes?

6 boxes

Section 5

Calculate:

$0.2 \times 10 =$ **2**

$0.9 \times 10 =$ **9**

$0.4 \times 10 =$ **4**

Section 6

Convert the following:

$1kg =$ **1000**g

2kg $= 2000g$

Section 7

Write a description of a cube.

A cube has 6 faces, all squares. One square is at the base of the shape and one square at the top, parallel to and in line with the base. The four other squares are perpendicular to the base and top, with each square meeting one edge of the top and bottom squares.
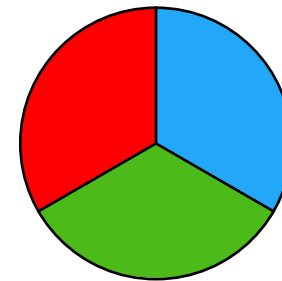
Section 8

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

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

red = **10**   green = **10**   blue = **10**

Year 6 Maths Activity Mat

Section 1

Order the following numbers from smallest to largest:

373 377, 377 773, 373 737, 377 737

smallest   largest

Section 2

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

782 × 11 ≈ 8000

34 582 + 56 722 ≈ 80 000

357 ÷ 8 ≈ 45

Explain why any estimates are unreasonable.

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Section 4

Simplify the following fractions:

$\frac{9}{12}$ = ☐

$\frac{10}{25}$ = ☐

Section 3

A baker makes 187 buns. He packs them in boxes of 6 buns. How many boxes can he fill from 187 buns?

☐

Section 5

Calculate:

0.5 x 100 = ☐

0.2 x 100 = ☐

0.7 x 100 = ☐

Section 6

Convert the following:

0.4kg = ☐ g

☐ kg = 1700g

Section 7

Write a description of a cuboid.

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....

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Section 8

Some children research children's favourite colour. They show the results in a pie chart.
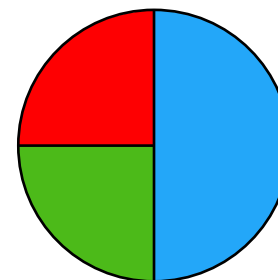
32 children were asked about their favourite colour. How many children chose each colour?

red = ☐   green = ☐   blue = ☐

Year 6 Maths Activity Mat: 1
Answers

Section 1

Order the following numbers from smallest to largest:

373 377, 377 773, 373 737, 377 737

373 377	373 737	377 737	377 773

smallest   largest

Section 2

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

$782 \times 11 \approx 8000$ ✔

$34\ 582 + 56\ 722 \approx 80\ 000$

$357 \div 8 \approx 45$ ✔

Explain why any estimates are unreasonable.

34 + 56 = 90 so 34 582 + 56 722 ≈ 90 000 is a much more reasonable estimate.

Section 4

Simplify the following fractions:

$\frac{9}{12} = \boxed{\frac{3}{4}}$

$\frac{10}{25} = \boxed{\frac{2}{5}}$

Section 3

A baker makes 187 buns. He packs them in boxes of 6 buns. How many boxes can he fill from 187 buns?

31 boxes

Section 5

Calculate:

$0.5 \times 100 = \boxed{50}$

$0.2 \times 100 = \boxed{20}$

$0.7 \times 100 = \boxed{70}$

Section 6

Convert the following:

$0.4kg = \boxed{400g}$

$\boxed{1.7kg} = 1700g$

Section 7

Write a description of a cuboid.

A cuboid has 6 faces, all rectangles. Pairs of rectangles are the same, although in some cuboids, more than one pair can be the same. One rectangle is at the base of the shape and the same rectangle is at the top, parallel to and in line with the base. The four other rectangles are perpendicular to the base and top, with each meeting one edge of the top and bottom rectangles.

Section 8

Some children research children's favourite colour. They show the results in a pie chart.
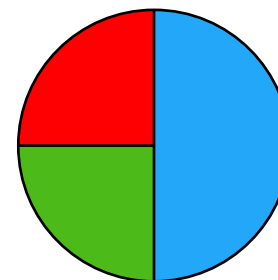
32 children were asked about their favourite colour. How many children chose each colour?

red = **8**   green = **8**   blue = **16**

Year 6 Maths Activity Mat

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 2

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

$487 \times 18 \approx 10\ 000$

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

$7345 \div 7 \approx 100$

....

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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 4

Simplify the following fractions:

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

Section 5

Calculate:

0.2×100 =

0.9×1000 =

0.6×1100 =

Section 6

Convert the following:

$2g$ =   kg

g = 0.45kg

Section 7

Write a description of a triangular prism.

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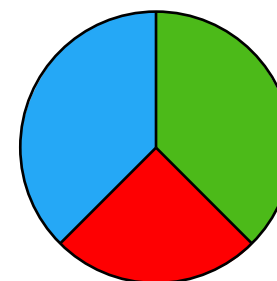
....

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 =

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 × 18 ≈ 10 000 ✓

3 459 103 + 6 309 287 ≈ 10 000 000 ✓

7345 ÷ 7 ≈ 100

....

....

....

Section 4

Simplify the following fractions:

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

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 x 100 = **20**

0.9 x 1000 = **900**

0.6 x 1100 = **660**

Section 6

Convert the following:

2g = **0.002kg**

450g = 0.45kg

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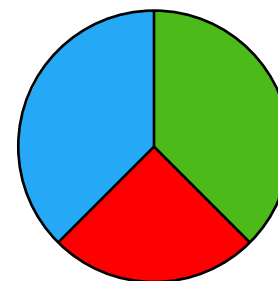
32 children were asked about their favourite colour. How many children chose each colour?

red = **8**   green = **12**   blue = **12**