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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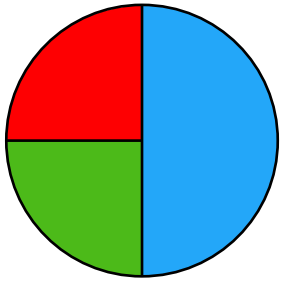
Section 8

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 × 11 ≈ 8000 ✓

34 582 + 56 722 ≈ 80 000

357 ÷ 8 ≈ 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:

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

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

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 x 100 = **50**

0.2 x 100 = **20**

0.7 x 100 = **70**

Section 6

Convert the following:

0.4kg = **400g**

1.7kg = 1700g

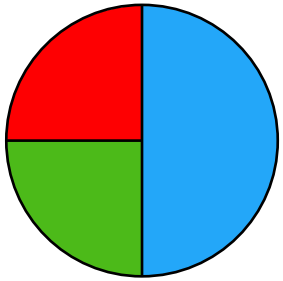
Section 7

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**