

Year 6 Maths Activity Mat

4

Section 1

Round the following numbers to the nearest 10 million:

12 341 727 →

25 000 000 →

50 500 000 →

Section 2

Draw a Venn Diagram to show the common factors of 24 and 56.

Section 3

What number, when multiplied by 5, is one third of the sum of 64 and 56?

Section 4

Calculate:

$$\frac{3}{4} \times \frac{1}{6} = \text{ }$$

$$\frac{2}{3} \times \frac{2}{3} = \text{ }$$

$$\frac{3}{8} \times \frac{8}{15} = \text{ }$$

Section 5

Calculate, writing the answer as a decimal:

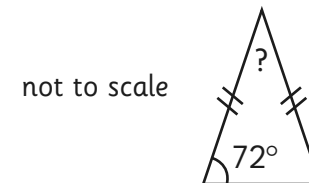
$$4 \overline{) 729}$$

Section 6

Draw (not to scale) two rectangles with the same area and different perimeters, writing the length of the sides.

Section 7

Calculate the unknown angle in this triangle:



Section 8

Find 3 pairs of numbers that satisfy these equations:

$$2a + b = 8 \quad a = \text{ } \quad b = \text{ }$$

$$2c - d = 8 \quad c = \text{ } \quad d = \text{ }$$

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Answers

Section 1

Round the following numbers to the nearest 10 million:

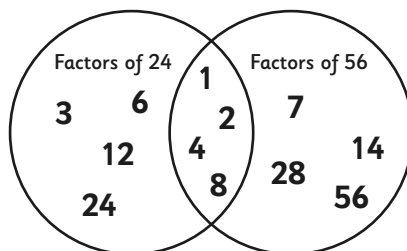
12 341 727 → **10 000 000**

25 000 000 → **30 000 000**

50 500 000 → **50 000 000**

Section 2

Draw a Venn Diagram to show the common factors of 24 and 56.



Section 3

What number, when multiplied by 5, is one third of the sum of 64 and 56?

8

Section 4

Calculate:

$$\frac{3}{4} \times \frac{1}{6} = \frac{3}{24} \text{ or } \frac{1}{8}$$

$$\frac{2}{3} \times \frac{2}{3} = \frac{4}{9}$$

$$\frac{3}{8} \times \frac{8}{15} = \frac{24}{120} \text{ or } \frac{1}{5}$$

Section 5

Calculate, writing the answer as a decimal:

$$4 \overline{) 729}$$

182.25

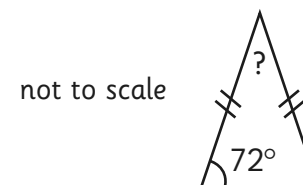
Section 6

Draw (not to scale) two rectangles with the same area and different perimeters, writing the length of the sides.

Accept any reasonable answer.

Section 7

Calculate the unknown angle in this triangle:



36°

Section 8

A range of answers. Here are some examples:

$$2a + b = 8$$

a =

1

b =

6

$$2c - d = 8$$

c =

5

d =

2