Year 6 Maths Activity Mat

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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?

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Section 4

Calculate:

$\frac{3}{4} \times \frac{1}{6} =$ ☐

$\frac{2}{3} \times \frac{2}{3} =$ ☐

$\frac{3}{8} \times \frac{8}{15} =$ ☐

Section 5

Calculate, writing the answer as a decimal:

$4 \overline{)7\ 2\ 9}$

☐

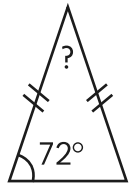
Section 6

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:

not to scale



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Section 8

Find 3 pairs of numbers that satisfy these equations:

$2a + b = 8$ a = ☐ b = ☐

$2c - d = 8$ c = ☐ d = ☐

Year 6 Maths Activity Mat: 4

Answers

Section 1

Round the following numbers to the nearest 10 million:

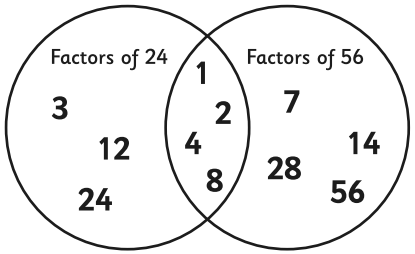
12 341 727 → **10 000 000**

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:

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

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

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

Section 5

Calculate, writing the answer as a decimal:

$4 \overline{)7\ 2\ 9}$

182.25

Section 6

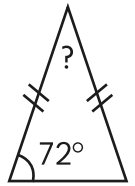
Draw (not to scale) two rectangles with the same area and different perimeters, writing the length of the sides.

Accept any reasonable answer.

Section 7

Calculate the unknown angle in this triangle:

not to scale



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**