

Y6 Autumn 1 Maths Activity Mat 3

Section 1

Round the following numbers to the nearest five hundred thousand:

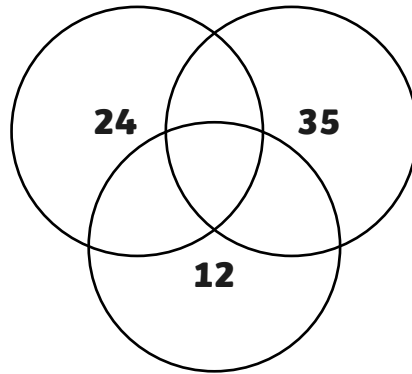
1 247 891 →

7 250 000 →

6 750 000 →

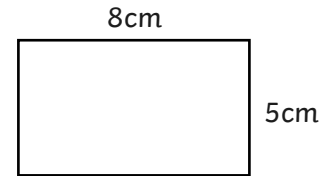
Section 2

Complete the Venn diagram to show the common factors of 12, 24 and 35.



Section 3

Draw (not to scale) a rectangle with the same perimeter as this rectangle, but with a different area. Label the sides.



Section 4

What number, when doubled, is a fifth of the product of 4 and 35?

Section 5

Calculate, writing the answer as a decimal:

$$8 \overline{) 578}$$

Section 6

Which answer is larger?

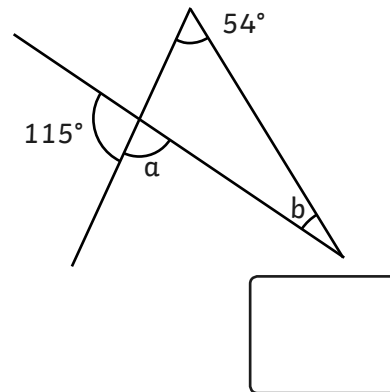
$$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{3} = \text{ }$$

$$\frac{1}{5} \times \frac{3}{4} \times \frac{2}{3} = \text{ }$$

$$\frac{1}{10} \times 12 = \text{ }$$

Section 7

Calculate the unknown angle.



Section 8

Find 3 pairs of numbers that satisfy these equations:

$$2a - 3b = 2$$

$$2c + 3d = 20$$

Section 1

Round the following numbers to the nearest five hundred thousand:

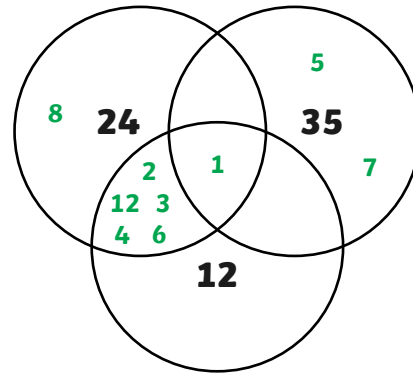
1 247 891 → **1 000 000**

7 250 000 → **7 500 000**

6 750 000 → **7 000 000**

Section 2

Complete the Venn diagram to show the common factors of 12, 24 and 35.



Section 6

Draw (not to scale) a rectangle with the same perimeter as this rectangle, but with a different area. Label the sides.



For example, 11cm and 2cm, or 6cm and 7cm.

Section 3

What number, when doubled, is a fifth of the product of 4 and 35?

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Section 5

Calculate, writing the answer as a decimal:

$8 \overline{) 578}$

7 2 . 2 5

Section 4

Which answer is larger?

$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{3} = \frac{1}{12}$

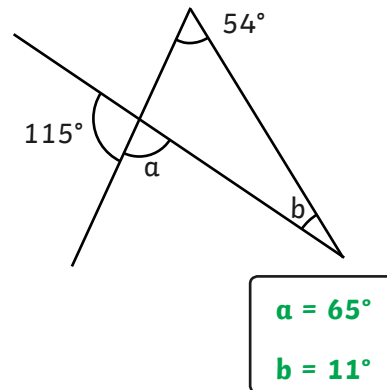
$\frac{1}{5} \times \frac{3}{4} \times \frac{2}{3} = \frac{6}{60} = \frac{1}{10}$

$\frac{1}{10} \times 12 = \frac{12}{10} = 1\frac{1}{5}$

$1\frac{1}{5}$ is the largest answer.

Section 7

Calculate the unknown angles.



Section 8

Find 3 pairs of numbers that satisfy these equations:

$2a - 3b = 2$

**$a = 4, b = 2; a = 7, b = 4;$
 $a = 10, b = 6$**

$2c + 3d = 20$

**$c = 1, d = 6; c = 4, d = 4;$
 $c = 7, d = 2$**