Year 6 Summer 2 Maths Activity Mat 3

Section 1

Round the following numbers to the nearest one million:

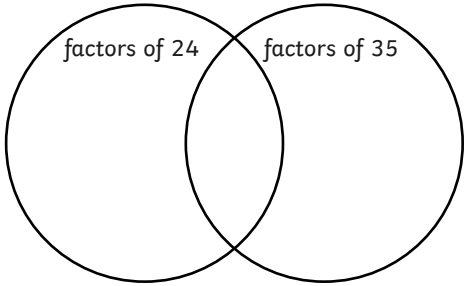
5 782 000 → ☐

3 500 000 → ☐

9 499 000 → ☐

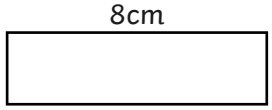
Section 2

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



Section 6

What do you notice about the area and perimeter of these two rectangles?



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Section 3

What number, when halved, is one third of 39?

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Section 4

Calculate:

$\frac{1}{6} \times \frac{1}{4} =$ ☐

$\frac{2}{3} \times \frac{1}{3} =$ ☐

$\frac{1}{2} \times \frac{3}{8} =$ ☐

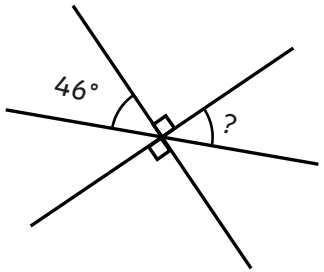
Section 5

Calculate and write the answer as a decimal:

$5 \overline{)\,6\ \ 2\ \ 4}$

Section 7

Calculate the unknown angle.



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Section 8

Find 3 pairs of numbers that satisfy these equations:

a - 2b = 8 ☐

c + 2d = 8 ☐

Year 6 Summer 2 Maths Activity Mat 3 **Answers**

Section 1

Round the following numbers to the nearest one million:

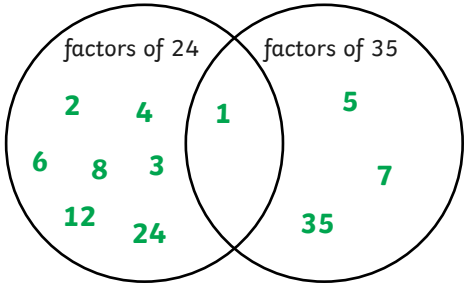
5 782 000 → **6 000 000**

3 500 000 → **4 000 000**

9 499 000 → **9 000 000**

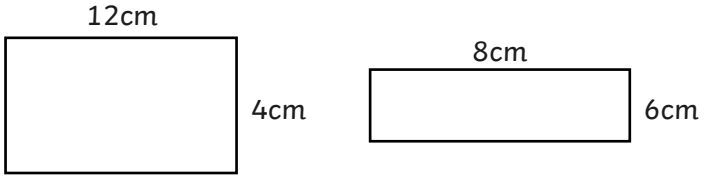
Section 2

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



Section 3

What do you notice about the area and perimeter of these two rectangles?



The area of each rectangle is equal (48cm²).
The perimeter of each rectangle is different (32cm and 28cm).

Section 4

What number, when halved, is one third of 39?

26

Section 5

Calculate and write the answer as a decimal:

$$\begin{array}{r} 1\ 2\ 4\ .8 \\ 5\overline{)\,6\ 2\ 4} \end{array}$$

Section 6

Calculate:

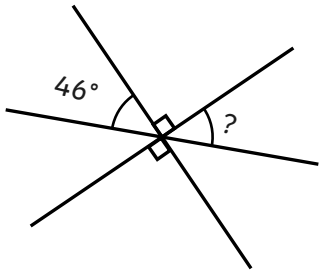
$\frac{1}{6} \times \frac{1}{4} =$ **$\frac{1}{24}$**

$\frac{2}{3} \times \frac{1}{3} =$ **$\frac{2}{9}$**

$\frac{1}{2} \times \frac{3}{8} =$ **$\frac{3}{16}$**

Section 7

Calculate the unknown angle.



44°

Section 8

Find 3 pairs of numbers that satisfy these equations:

a - 2b = 8 → **a = 10, b = 1; a = 12, b = 2; a = 14, b = 3**

c + 2d = 8 → **c = 6, d = 1; c = 4, d = 2; c = 2, d = 3**