Year 6 Maths Activity Mat

Section 1

Round the following numbers to the nearest five million:

10 671 907 → ☐

12 500 000 → ☐

57 750 000 → ☐

Section 2

Draw a Venn diagram to show the common factors of 12, 20 and 35.

Section 3

What number, when halved, is a third of the total of 42 and 48?

☐

Section 4

Which answer is larger?

$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} =$ ☐

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

☐

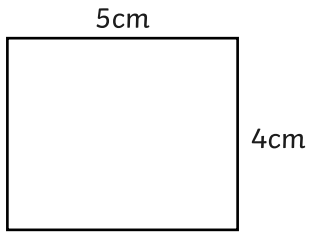
Section 5

Calculate, writing the answer as a decimal:

$6 \overline{)\,8\;3\;1}$

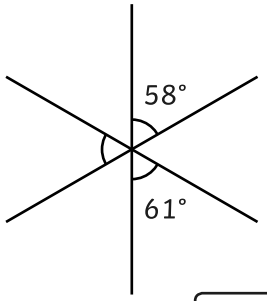
Section 6

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



Section 7

Calculate the unknown angle.



☐

Section 8

Find 3 pairs of numbers that satisfy these equations:

3a - 2b = 4 ☐

3c + 2d = 14 ☐

Year 6 Maths Activity Mat: 3

Answers

Section 1

Round the following numbers to the nearest five million:

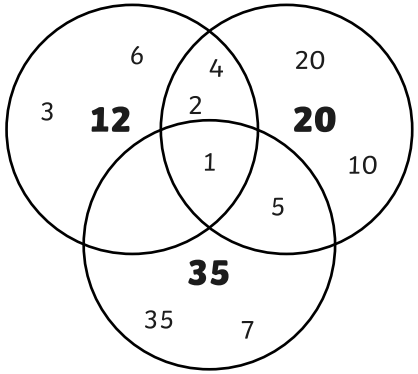
10 671 907 → **10 000 000**

12 500 000 → **15 000 000**

57 750 000 → **60 000 000**

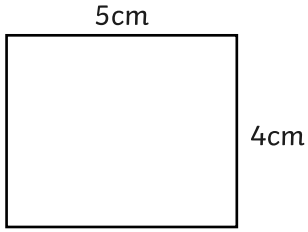
Section 2

Draw a Venn diagram to show the common factors of 12, 20 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.



Various answers e.g.

Section 3

What number, when halved, is a third of the total of 42 and 48?

60

Section 4

Which answer is larger?

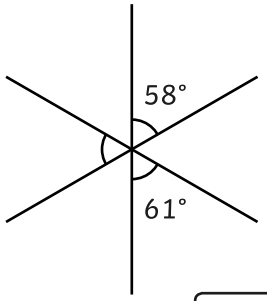
$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} =$ **$\frac{1}{8}$**

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

$\frac{1}{8} > \frac{1}{10}$

Section 7

Calculate the unknown angle.



61°

Section 5

Calculate, writing the answer as a decimal:

$$6 \overline{)\,8\;3\;1\,.\,5}$$

Section 8

Find 3 pairs of numbers that satisfy these equations:

3a - 2b = 4 → **a = 2, b = 1; a = 4, b = 4; a = 6, b = 7**

3c + 2d = 14 → **c = 2, d = 4; c = 4, d = 1; c = 6, d = -2**