Year 6 Maths Activity Mat

Section 1

Round the following numbers to the nearest ten million:

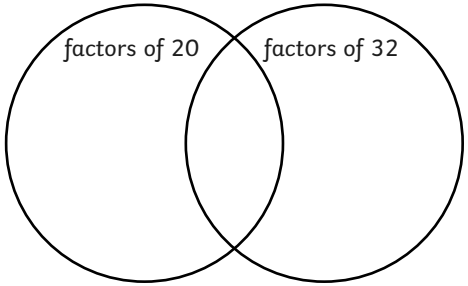
14 892 391 → ☐

15 000 000 → ☐

20 500 000 → ☐

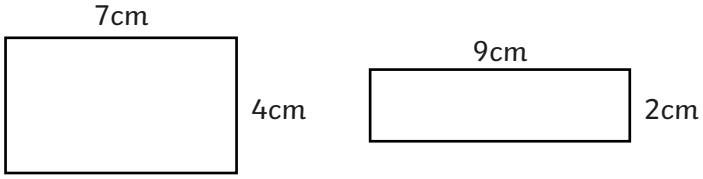
Section 2

Use this Venn diagram to write the common factors of 20 and 32.



Section 6

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



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Section 3

What number, when doubled, is one fifth of 100?

☐

Section 4

Calculate:

$\frac{1}{4} \times \frac{1}{6} =$ ☐

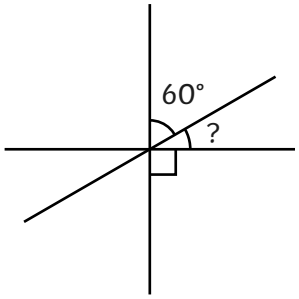
$\frac{1}{3} \times \frac{2}{3} =$ ☐

$\frac{3}{4} \times \frac{1}{2} =$ ☐

$\frac{2}{4} \times \frac{1}{3} =$ ☐

Section 7

Calculate the unknown angle.



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Section 8

Find 3 pairs of numbers that satisfy these equations:

2a - b = 8 ☐

2c + d = 8 ☐

Section 5

Calculate, writing the answer as a decimal:

5 ⟌ 8 3 1

Year 6 Maths Activity Mat: 3
Answers

Section 1

Round the following numbers to the nearest ten million:

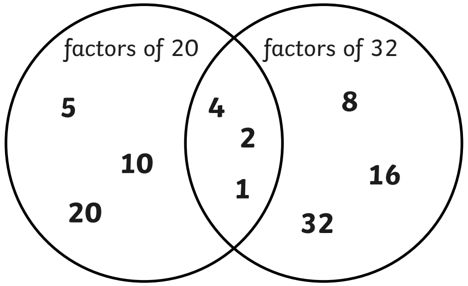
14 892 391 → **10 000 000**

15 000 000 → **20 000 000**

20 500 000 → **20 000 000**

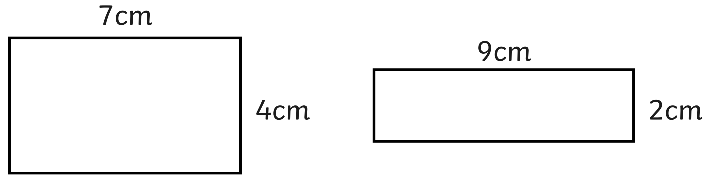
Section 2

Use this Venn diagram to write the common factors of 20 and 32.



Section 6

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



Same perimeter 22cm, different area 28 cm² and 18 cm²

Section 3

What number, when doubled, is one fifth of 100?

10

Section 5

Calculate, writing the answer as a decimal:

1 6 6 . 2

5) 8 3 1

Section 4

Calculate:

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

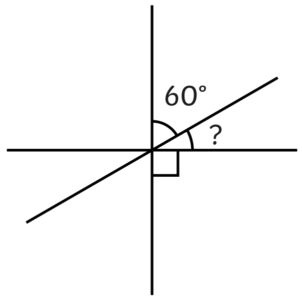
$\frac{1}{3} \times \frac{2}{3} =$ $\mathbf{\frac{2}{9}}$

$\frac{3}{4} \times \frac{1}{2} =$ $\mathbf{\frac{3}{8}}$

$\frac{2}{4} \times \frac{1}{3} =$ $\mathbf{\frac{2}{12}}$ **or** $\mathbf{\frac{1}{6}}$

Section 7

Calculate the unknown angle.



30°

Section 8

Find 3 pairs of numbers that satisfy these equations:

2a - b = 8 → **a = 5, b = 2; a = 6, b = 4; a = 7, b = 6**

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