

Year 6 Maths Activity Mat

Section 1

Round the following numbers to the nearest ten million:

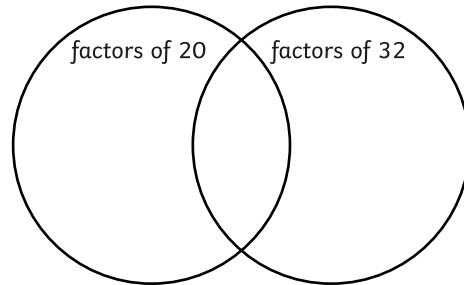
14 892 391 →

15 000 000 →

20 500 000 →

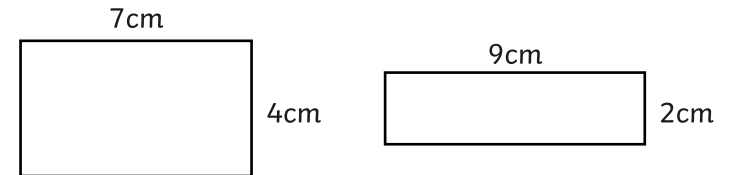
Section 2

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?



.....

Section 3

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

Section 4

Calculate:

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

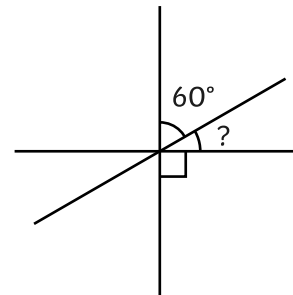
$\frac{1}{3} \times \frac{2}{3} =$

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

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

Section 7

Calculate the unknown angle.



Section 8

Find 3 pairs of numbers that satisfy these equations:

$2a - b = 8$

$2c + d = 8$

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Answers

Section 1

Round the following numbers to the nearest ten million:

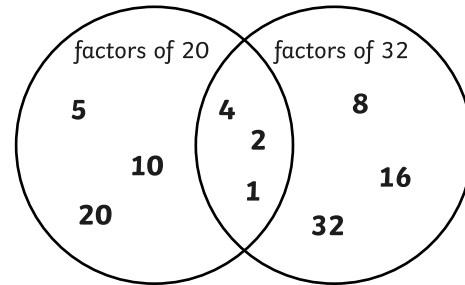
14 892 391 → **10 000 000**

15 000 000 → **20 000 000**

20 500 000 → **20 000 000**

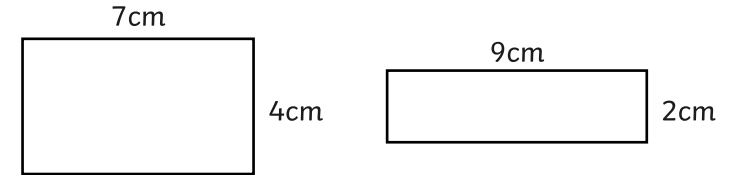
Section 2

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 4

Calculate:

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

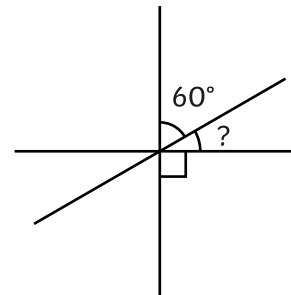
$$\frac{1}{3} \times \frac{2}{3} = \frac{2}{9}$$

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

$$\frac{2}{4} \times \frac{1}{3} = \frac{3}{12} \text{ or } \frac{1}{4}$$

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**

Section 5

Calculate, writing the answer as a decimal:

$$\begin{array}{r} 1 \quad 6 \quad 6 \quad . \quad 2 \\ 5 \overline{) 8 \quad 3 \quad 1} \end{array}$$