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.

factors of 20   factors of 32

Section 6

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

7cm

4cm

9cm

2cm

....

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.

60°

?

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

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Answers

Section 1

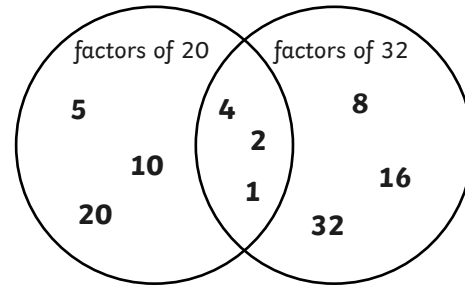Round the following numbers to the nearest ten million:

14 892 391 ⟶ **10 000 000**

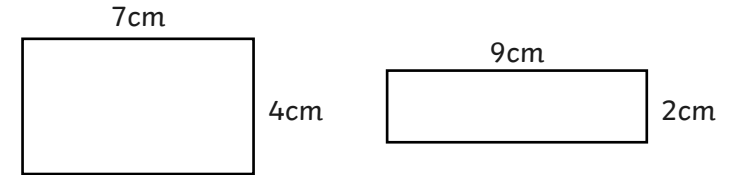15 000 000 ⟶ **20 000 000**

20 500 000 ⟶ **20 000 000**

Section 2

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

factors of 20   factors of 32

5   4   8

10   2

20   1   16

32

Section 6

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

7cm

4cm

9cm

2cm

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:

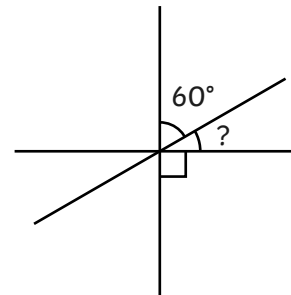$\frac{1}{4} \times \frac{1}{6} =$ **$\frac{1}{24}$**

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

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

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

Section 7

Calculate the unknown angle.

60°

?

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:

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        1   6   6 . 2
    5 | 8   3   1
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