

Year 6 Maths Activity Mat

Section 1

Use these clues to find the number:

- The number has 6 digits.
- The number is less than 300 000.
- 10 is a factor of the number.
- The hundred thousands and ten thousands digit are the same and are odd.
- The tens digit is a cube number and is one more than the thousands digit.
- The sum of the hundreds and the thousands digits is 10.

Section 2

Calculate:

$$\begin{array}{r}
 4 \quad 2 \quad 8 \quad 1 \\
 \times \quad \quad 2 \quad 3 \\
 \hline \\
 \hline
 \end{array}$$

Section 3

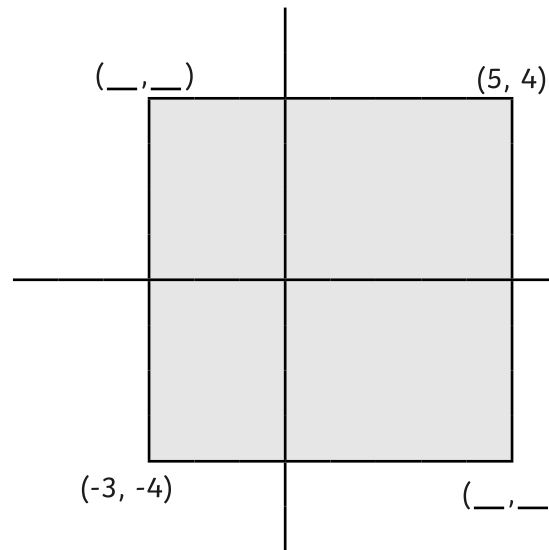
A library has 2498 books. 1134 are fiction. The rest are non-fiction. 272 of the non-fiction are on loan, and 1017 are in the library, and the rest are missing. How many non-fiction books are missing?

Section 6

A length of timber is 2400mm long. It is divided into 8 equal pieces. How long is each piece in metres?

Section 7

Write the missing coordinates for this rectangle.



Section 4

Calculate:

$$\frac{1}{2} \div 5 = \boxed{}$$

$$\frac{3}{4} \div 5 = \boxed{}$$

Section 5

25% of a class are wearing trainers. What fraction are not wearing trainers?

Section 8

a and **b** are whole numbers between 7 and 13. Write all the calculations showing the possible values of **a** and **b** where:

$$a + b = 20$$

Year 6 Maths Activity Mat: 5 Answers

Section 1

Use these clues to find the number:

- The number has 6 digits.
- The number is less than 300 000.
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117 380

Section 2

Calculate:

| | | | | |
|----------|----------|----------|----------|----------|
| 4 | 2 | 8 | 1 | |
| x | | 2 | 3 | |
| | | | | |
| 1 | 2 | 8 | 4 | 3 |
| 8 | 5 | 6 | 2 | 0 |
| | | | | |
| 9 | 8 | 4 | 6 | 3 |

Section 3

A library has 2498 books. 1134 are fiction. The rest are non-fiction. 272 of the non-fiction are on loan, and 1017 are in the library, and the rest are missing. How many non-fiction books are missing?

75 books

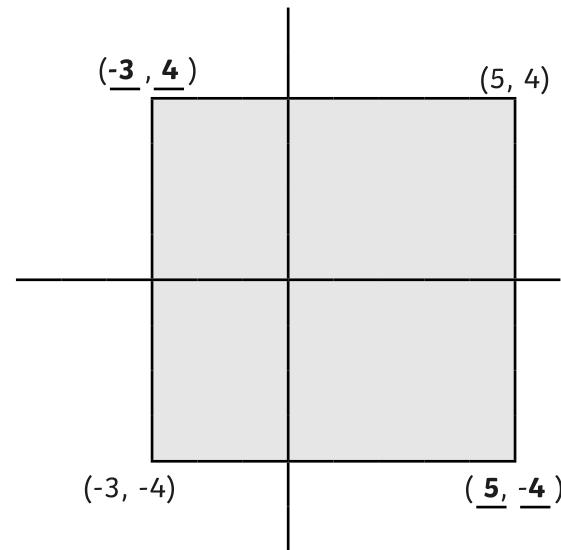
Section 6

A length of timber is 2400mm long. It is divided into 8 equal pieces. How long is each piece in metres?

0.3m

Section 7

Write the missing coordinates for this rectangle.



Section 4

Calculate:

$$\frac{1}{2} \div 5 = \frac{1}{10}$$

$$\frac{3}{4} \div 5 = \frac{3}{20}$$

Section 5

25% of a class are wearing trainers. What fraction are not wearing trainers?

$\frac{3}{4}$

Section 8

a and **b** are whole numbers between 7 and 13. Write all the calculations showing the possible values of **a** and **b** where:

$$a + b = 20$$

a = 12, b = 8;
a = 11, b = 9;
a = 10, b = 10;
a = 9, b = 11;
a = 8, b = 12