

# Year 6 Maths Activity Mat

6

## Section 1

Use these clues to find the number:

- The number has 7 digits.
- Each digit is different.
- The number is a multiple of 5.
- There are no zeros.
- The ten thousands digit is twice the hundreds thousands digit.
- The thousands digit is twice the hundreds digit. The hundreds digit is twice the tens digit.
- The number is more than 8 million.
- The sum of the ten thousands and hundred thousands digits is the same as the millions digit.
- All the even digits are next to each other.

## Section 6

A bottle contains 1.5 litres of lemonade. It is shared between 12 children. How much does each child get in millilitres?

## Section 2

Calculate:

		6	2	1	7
	x			2	6

## Section 3

Madison goes shopping with £30. She buys three t-shirts costing £7.50 each. She then takes £20 out of the bank, and buys lunch costing £12.30. How much does she have left?

## Section 4

Calculate:

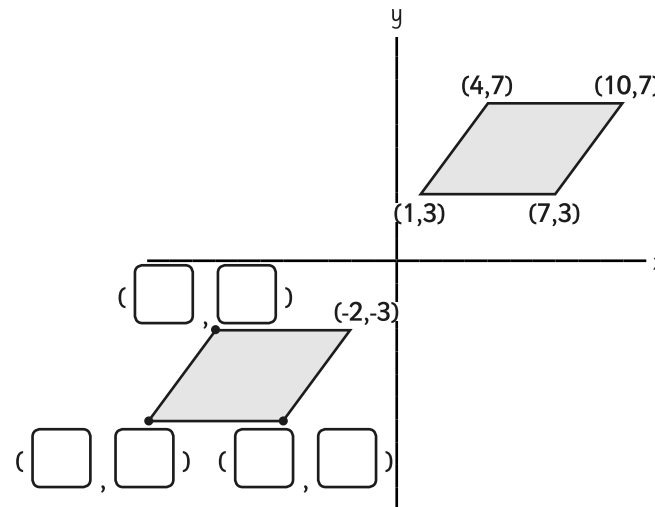
$$\frac{1}{2} \div 4 = \boxed{\phantom{000}} \quad \frac{2}{3} \div 5 = \boxed{\phantom{000}}$$

## Section 5

A shop is offering a 20% discount. What fraction of the full price is to be paid?

## Section 7

Write the missing coordinates for this translated shape.



## Section 8

**a** and **b** are whole numbers between 10 and 20. Write a calculation showing the possible values of **a** and **b** where:

$$a - b = 5$$

$$a = \boxed{\phantom{000}}$$

$$b = \boxed{\phantom{000}}$$

# Year 6 Maths Activity Mat: 6

## Answers

### Section 1

Use these clues to find the number:

- The number has 7 digits.
- Each digit is different.
- The number is a multiple of 5.
- There are no zeros.
- The ten thousands digit is twice the hundreds thousands digit.
- The thousands digit is twice the hundreds digit. The hundreds digit is twice the tens digit.
- The number is more than 8 million.
- The sum of the ten thousands and hundred thousands digits is the same as the millions digit.
- All the even digits are next to each other.

9 368 425

### Section 6

A bottle contains 1.5 litres of lemonade. It is shared between 12 children. How much does each child get in millilitres?

125ml

### Section 2

Calculate:

		6	2	1	7
	x			2	6
	3	7	3	0	2
1	2	4	3	4	0
1	6	1	6	4	2

### Section 3

Madison goes shopping with £30. She buys three t-shirts costing £7.50 each. She then takes £20 out of the bank, and buys lunch costing £12.30. How much does she have left?

£15.20

### Section 4

Calculate:

$$\frac{1}{2} \div 4 = \frac{1}{8} \quad \frac{2}{3} \div 5 = \frac{2}{15}$$

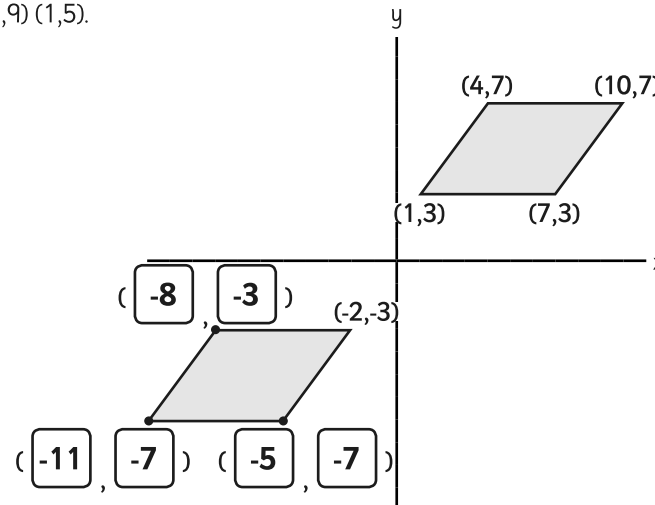
### Section 5

A shop is offering a 20% discount. What fraction of the full price is to be paid?

$\frac{4}{5}$

### Section 7

Draw a parallelogram on this coordinates grid using the coordinates: (1,1) (8,5) (8,9) (1,5).



### Section 8

**a** and **b** are whole numbers between 10 and 20. Write a calculation showing the possible values of **a** and **b** where:

One of the following:

**a** = 19, **b** = 14; **a** = 18, **b** = 13; **a** = 17, **b** = 12; **a** = 16, **b** = 11