Year 6 Maths Activity Mat

Section 1

Bags of marbles contain 4 blue, 2 red, 1 yellow, 3 green marbles. Alex wants 18 green marbles. How many blue, red and yellow marbles will he get?

blue: [ ]   yellow: [ ]

red: [ ]

Section 2

$2y = x + 5$

If $x = 7$, what is y? [ ]

If $y = 3$, what is x? [ ]

Section 3
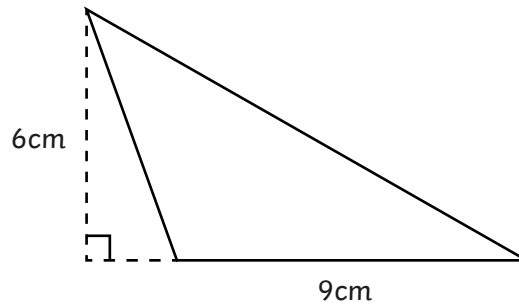
Calculate:

12% of $58 = [ ]

87% of $142 = [ ]

Section 4

Calculate:

$\frac{1}{8} + \frac{1}{4} + \frac{1}{2} =$ [ ]
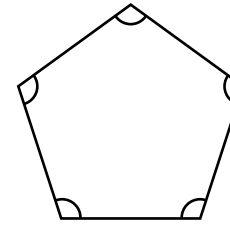
$\frac{2}{3} - \frac{3}{12} =$ [ ]

Section 5

There are 54 people in a cinema. Adults pay $9.50 and children $6.50. The takings are $438. How many children are in the cinema?

[ ]

Section 6

Calculate the area of this triangle:

not to scale

6cm

9cm

[ ]

Section 7

Calculate the angles in this pentagon:

[ ]

Section 8

Express the answer to this word problem algebraically, using **t** to represent the number of t-shirts in the stock room:

A shop has 67 t-shirts. 26 are on the shelves, 9 are on a sale rail. The rest are in the stock room. How many t-shirts are in the stock room?

[ ]

Year 6 Maths Activity Mat: 6
Answers

Section 1

Bags of marbles contain 4 blue, 2 red, 1 yellow, 3 green marbles. Alex wants 18 green marbles. How many blue, red and yellow marbles will he get?

blue: **24**

yellow: **6**

red: **12**

Section 2

$2y = x + 5$

If $x = 7$, what is y? **6**

If $y = 3$, what is x? **1**

Section 3

Calculate:

12% of $58 = **$6.96**

87% of $142 = **$123.54**

Section 4

Calculate:

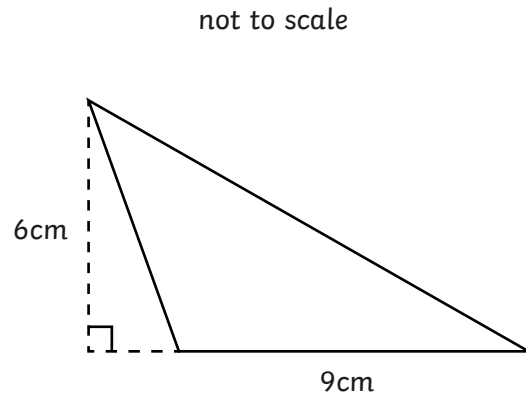$\frac{1}{8} + \frac{1}{4} + \frac{1}{2} =$ $\boxed{\frac{7}{8}}$

$\frac{2}{3} - \frac{3}{12} =$ $\boxed{\frac{5}{12}}$

Section 5

There are 54 people in a cinema. Adults pay $9.50 and children $6.50. The takings are $438. How many children are in the cinema?
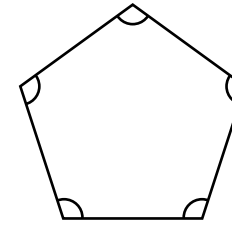
25 children

Section 6

Calculate the area of this triangle:

not to scale

6cm

9cm

27cm²

Section 7

Calculate the angles in this regular hexagon:

108°

Section 8

Express the answer to this word problem algebraically, using **t** to represent the number of t-shirts in the stock room:

A shop has 67 t-shirts. 26 are on the shelves, 9 are on a sale rail. The rest are in the stock room. How many t-shirts are in the stock room?

67 = 26 + 9 + t;
or
t = 67 − (26 + 9);
or
t = 67 − 26 - 9