

Section 1

A bag of balls contains 2 red, 1 green and 3 blue balls. A school needs 15 blue balls. How many red and green balls will they get?

red:

Green:

Section 2

$$y = 2x + 3$$

If $x = 6$, what is y ?

If $y = 5$, what is x ?

Section 3

Calculate:

15% of £45 =

70% of £64 =

Section 4

Calculate:

$$\frac{1}{3} + \frac{1}{6} = \text{$$

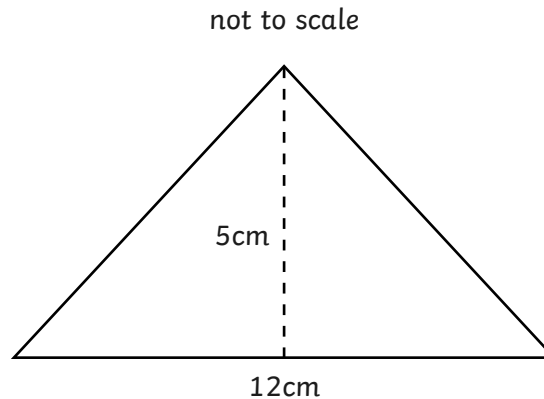
$$\frac{3}{4} - \frac{1}{8} = \text{$$

Section 5

There are 30 people in a cinema. Adults pay £9 and children £6.50. The takings are £237.50. How many children are in the cinema?

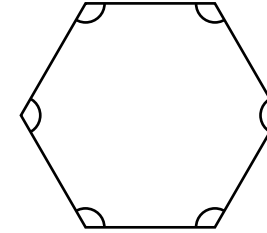
Section 6

Calculate the area of this triangle:



Section 7

Calculate the angles in this regular hexagon:



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 45 t-shirts. 21 are in the shop. 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

A bag of balls contains 2 red, 1 green and 3 blue balls. A school needs 15 blue balls. How many red and green balls will they get?

red:

Green:

Section 2

$$y = 2x + 3$$

If $x = 6$, what is y ?

If $y = 5$, what is x ?

Section 3

Calculate:

15% of £45 =

70% of £64 =

Section 4

Calculate:

$$\frac{1}{3} + \frac{1}{6} = \frac{3}{6} \text{ or } \frac{1}{2}$$

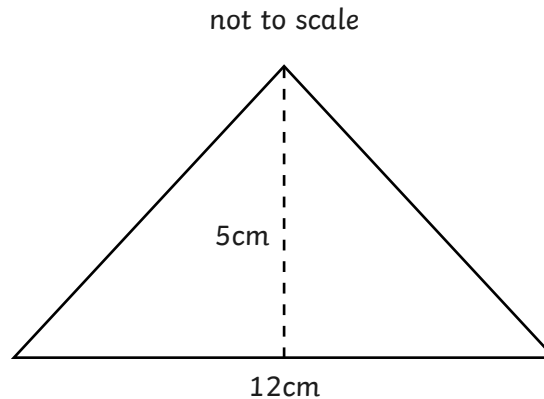
$$\frac{3}{4} - \frac{1}{8} = \frac{5}{8}$$

Section 5

There are 30 people in a cinema. Adults pay £9 and children £6.50. The takings are £237.50. How many children are in the cinema?

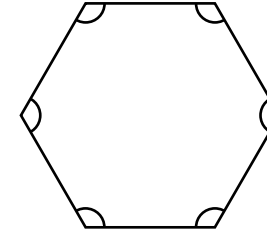
Section 6

Calculate the area of this triangle:



Section 7

Calculate the angles in this regular hexagon:



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 45 t-shirts. 21 are in the shop. The rest are in the stock room. How many t-shirts are in the stock room?