

Year 6 Summer 2 Maths Activity Mat 6

Section 1

Bags of marbles contain 5 blue, 4 red, 3 yellow, 8 green marbles. What is the ratio of green marbles to all of the other colours?

Section 4

Calculate:

$$\frac{1}{6} + \frac{1}{4} + \frac{1}{2} =$$

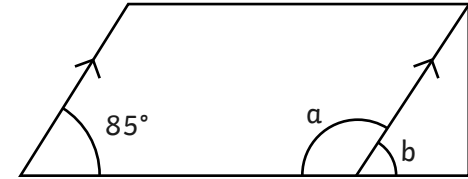
$$\frac{4}{5} - \frac{3}{8} =$$

Section 5

There are 24 people in a theatre. Adults pay £10 and children pay £4. The takings are £156. How many children are in the cinema?

Section 7

Calculate angles a and b.



Section 2

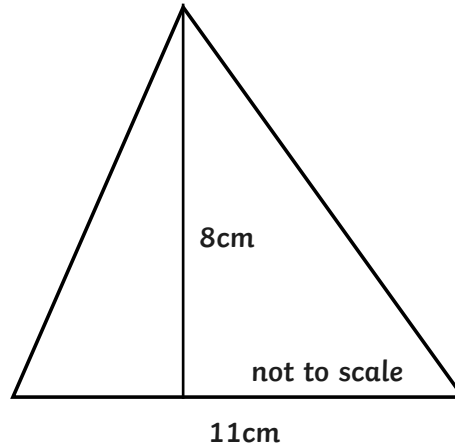
$$2y = x - 5$$

If $x = 7$, what is y ?

If $y = 3$, what is x ?

Section 6

Calculate the area of this triangle.



Section 8

A manufacturer makes blue and red marbles. It makes twice as many red marbles as blue marbles. The number of blue marbles made in a day is b . How many red marbles are made?

Express the answer to this word problem algebraically, using r to represent the number red marbles.

Section 1

Bags of marbles contain 5 blue, 4 red, 3 yellow, 8 green marbles. What is the ratio of green marbles to all of the other colours?

2:3

Section 4

Calculate:

$$\frac{1}{6} + \frac{1}{4} + \frac{1}{2} = \frac{11}{12}$$

$$\frac{4}{5} - \frac{3}{8} = \frac{17}{40}$$

**4 children or
14 children**

Section 5

There are 24 people in a theatre. Adults pay £10 and children pay £4. The takings are £156. How many children are in the cinema?

Section 2

$$2y = x - 5$$

If $x = 7$, what is y ?

1

If $y = 3$, what is x ?

11

Section 3

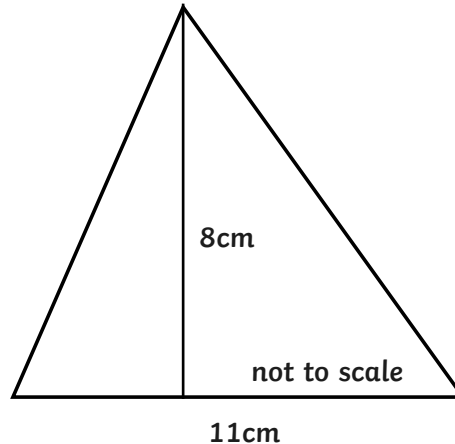
Calculate:

$$18\% \text{ of } £58 = \text{£}10.44$$

$$73\% \text{ of } £142 = \text{£}103.66$$

Section 6

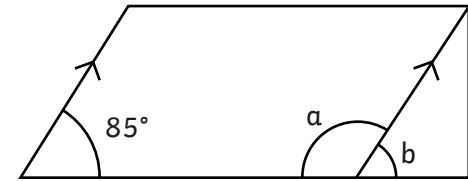
Calculate the area of this triangle.



44cm²

Section 7

Calculate angles a and b .



$a = 95^\circ$ $b = 85^\circ$

Section 8

A manufacturer makes blue and red marbles. It makes twice as many red marbles as blue marbles. The number of blue marbles made in a day is b . How many red marbles are made?

Express the answer to this word problem algebraically, using r to represent the number red marbles.

$r = 2b$