

Year 6 Maths Activity Mat

6

Section 1

A bag of balls contains 3 red and 5 blue balls. A school buys some bags of balls. There are 9 red balls. How many blue balls are there?

Section 4

Calculate:

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

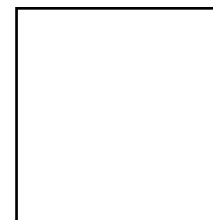
$$\frac{2}{3} - \frac{1}{6} =$$

Section 5

There are 20 people in a cinema. Adults pay £10 and children £6. The takings are £164. How many children are in the cinema?

Section 7

Calculate the angles in this square:



Section 2

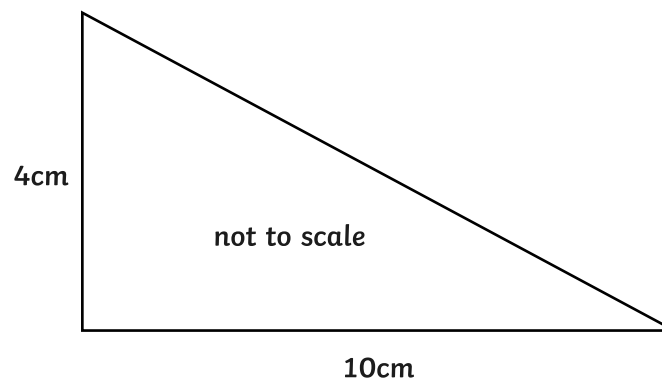
$$y = x + 2$$

If $x = 6$, what is y ?

If $y = 5$, what is x ?

Section 6

Calculate the area of this right angled triangle:



Section 8

Express the answer to this word problem algebraically, using t to represent the number of t-shirts being washed:

Alison has 12 t-shirts. 7 are in her drawer. The rest are being washed. How many t-shirts are being washed?

Year 6 Maths Activity Mat: 6

Answers

Section 1

A bag of balls contains 3 red and 5 blue balls. A school buys some bags of balls. There are 9 red balls. How many blue balls are there?

15 blue balls

Section 2

$$y = x + 2$$

If $x = 6$, what is y ?

8

If $y = 5$, what is x ?

3

Section 3

Calculate:

$$25\% \text{ of } £24 =$$

£6

$$10\% \text{ of } £32 =$$

£3.20

Section 4

Calculate:

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

$\frac{3}{4}$

$$\frac{2}{3} - \frac{1}{6} =$$

$\frac{3}{6}$ or $\frac{1}{2}$

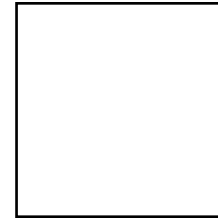
Section 5

There are 20 people in a cinema. Adults pay £10 and children £6. The takings are £164. How many children are in the cinema?

9 children

Section 7

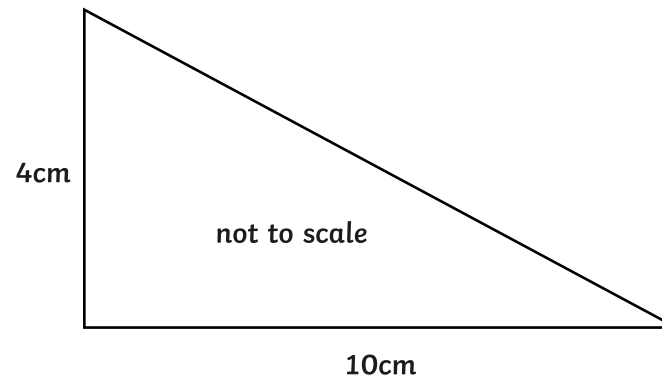
Calculate the angles in this square:



90°

Section 6

Calculate the area of this right angled triangle:



20cm²

Section 8

Express the answer to this word problem algebraically, using t to represent the number of t-shirts being washed:

Alison has 12 t-shirts. 7 are in her drawer. The rest are being washed. How many t-shirts are being washed?

$$t = 12 - 7 \text{ or } 12 = t + 7$$