

Spring 1 Maths Activity Mat 6

Section 1

A packet of pens has three red and five blue pens. Ali buys some packets of pens. There are 15 blue pens. How many red pens are there?

Section 2

$$y = x - 3$$

If $x = 4$, what is y ?

If $y = 7$, what is x ?

Section 3

Calculate

50% of £24 =

25% of £32 =

Section 4

Calculate:

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

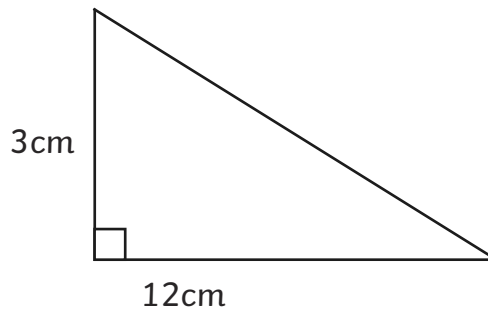
$$\frac{4}{5} - \frac{3}{10} =$$

Section 5

There are 11 people in a cafe. Coffee is £2 and tea is £1.50. The takings are £20, of which £6 was taken on tea. How many people drink coffee?

Section 6

Calculate the area of this right-angled triangle.



Section 7

Write the name of a regular shape with internal angles of 90° .

Section 8

Majid has some pencils. Nine are freshly sharpened, but 6 need sharpening. Express the total number of pencils algebraically, using p to represent the total number of pencils.

Spring 1 Maths Activity Mat 6 - Answers

Section 1

A packet of pens has three red and five blue pens. Ali buys some packets of pens. There are 15 blue pens. How many red pens are there?

9

Section 2

$$y = x - 3$$

If $x = 4$, what is y ?

1

If $y = 7$, what is x ?

10

Section 3

Calculate

$$50\% \text{ of } £24 = £12$$

$$25\% \text{ of } £32 = £8$$

Section 4

Calculate:

$$\frac{1}{4} + \frac{1}{2} = \frac{3}{4}$$

$$\frac{4}{5} - \frac{3}{10} = \frac{5}{10} \text{ or } \frac{1}{2}$$

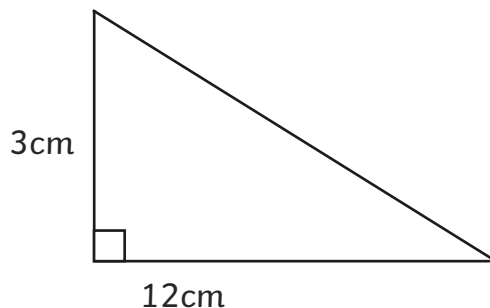
Section 5

There are 11 people in a cafe. Coffee is £2 and tea is £1.50. The takings are £20, of which £6 was taken on tea. How many people drink coffee?

7

Section 6

Calculate the area of this right-angled triangle.



18cm^2

Section 7

Write the name of a regular shape with internal angles of 90° .

square

Section 8

Majid has some pencils. Nine are freshly sharpened, but 6 need sharpening. Express the total number of pencils algebraically, using p to represent the total number of pencils.

$p = 9 + 6$

Spring 1 Maths Activity Mat 6

Section 1

A packet of pens has one red, two black and three blue pens. Muna needs eight black pens. How many red and blue pens will she get?

Section 2

$$y = 3x - 2$$

If $x = 4$, what is y ?

If $y = 19$, what is x ?

Section 3

Calculate

40% of £64 =

7% of £90 =

Section 4

Calculate:

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

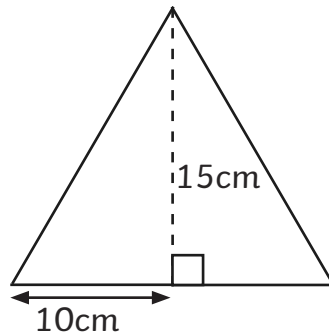
$$\frac{3}{10} - \frac{4}{15} =$$

Section 5

There are 42 people in a cinema. Coffee costs £2.40 and tea £1.50. The takings are £81, of which £33 was taken on tea. How many people drink coffee?

Section 6

Calculate the area of this triangle.



Section 7

Write the name of a regular shape with internal angles of 60° .

Section 8

Ishfaq has some pencils. 13 are freshly sharpened, six need sharpening and seven are brand new. Express the total number of pencils algebraically, using p to represent the total number of pencils.

Spring 1 Maths Activity Mat 6 Answers

Section 1

A packet of pens has one red, two black and three blue pens. Muna needs eight black pens. How many red and blue pens will she get?

4 red

12 blue

Section 2

$$y = 3x - 2$$

If $x = 4$, what is y ?

10

If $y = 19$, what is x ?

7

Section 3

Calculate

$$40\% \text{ of } £64 = £25.60$$

$$7\% \text{ of } £90 = £6.30$$

Section 4

Calculate:

$$\frac{2}{3} + \frac{1}{6} = \frac{5}{6}$$

$$\frac{3}{10} - \frac{4}{15} = \frac{1}{30}$$

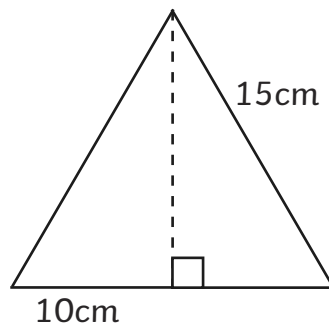
Section 5

There are 42 people in a cinema. Coffee costs £2.40 and tea £1.50. The takings are £81, of which £33 was taken on tea. How many people drink coffee?

20

Section 6

Calculate the area of this triangle.



150cm^2

Section 7

Write the name of a regular shape with internal angles of 60° .

equilateral triangle

Section 8

Ishfaq has some pencils. 13 are freshly sharpened, six need sharpening and seven are brand new. Express the total number of pencils algebraically, using p to represent the total number of pencils.

$p = 13 + 6 + 7$

Spring 1 Maths Activity Mat 6

Section 1

Packets of pens contain four blue, two red, one green and three black pens. Asjal says that if he buys enough packets to get at least 10 blue and eight black pens, he will have five red and two green pens. Explain why Asjal is incorrect.

Section 2

$$y = 8 - x$$

If $x = 5$, what is y ?

If $y = -2$, what is x ?

Section 3

Calculate

$$16\% \text{ of } £39 = \boxed{}$$

$$69\% \text{ of } £107 = \boxed{}$$

Section 4

Calculate:

$$\frac{1}{10} + \frac{1}{5} + \frac{1}{15} = \boxed{}$$

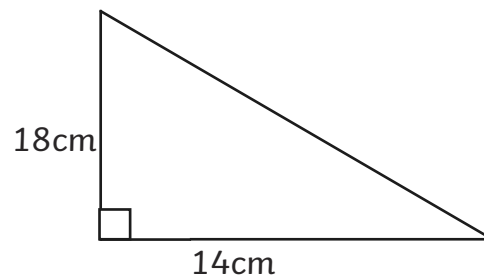
$$\frac{3}{4} - \frac{3}{20} = \boxed{}$$

Section 5

There were 53 people in a cinema. Coffee costs £2.75 and tea £1.60. The takings for tea is £46.40. The total takings were £112.40. How many people drank coffee?

Section 6

Calculate the area of this triangle.



Section 7

Write the name of a regular shape with internal angles of 135° .

Section 8

Aisha has some pencils. N is the number of new pencils, q is the number of blunt pencils and r is the number of freshly sharpened pencils. Express the total number of pencils algebraically, using p to represent the total number of pencils.

Spring 1 Maths Activity Mat 6 - Answers

Section 1

Packets of pens contain four blue, two red, one green and three black pens. Asjal says that if he buys enough packets to get at least 10 blue and eight black pens, he will have five red and two green pens. Explain why Asjal is incorrect.

Asjal will buy three packets giving him 12 blue and nine black pens, also he will have six red pens and three green pens.

Section 2

$$y = 8 - x$$

If $x = 5$, what is y ?

3

If $y = -2$, what is x ?

10

Section 3

Calculate

$$16\% \text{ of } £39 = £6.24$$

$$69\% \text{ of } £107 = £73.83$$

Section 4

Calculate:

$$\frac{1}{10} + \frac{1}{5} + \frac{1}{15} = \frac{11}{30}$$

$$\frac{3}{4} - \frac{3}{20} = \frac{12}{20}$$

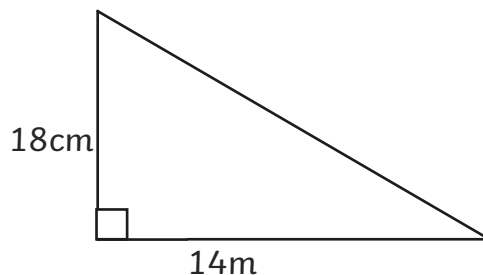
Section 5

There were 53 people in a cinema. Coffee costs £2.75 and tea £1.60. The takings for tea is £46.40. The total takings were £112.40. How many people drank coffee?

24

Section 6

Calculate the area of this triangle.



126cm^2

Section 7

Write the name of a regular shape with internal angles of 135° .

regular octagon

Section 8

Aisha has some pencils. N is the number of new pencils, q is the number of blunt pencils and r is the number of freshly sharpened pencils. Express the total number of pencils algebraically, using p to represent the total number of pencils.

$$p = n + q + r$$