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:

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

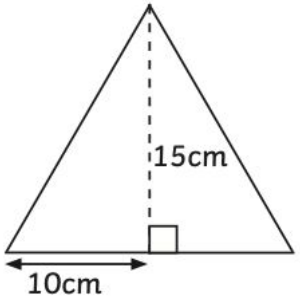
$\frac{3}{10} - \frac{4}{15} =$

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.

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% of £39 =

69% of £107 =

Section 4

Calculate:

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

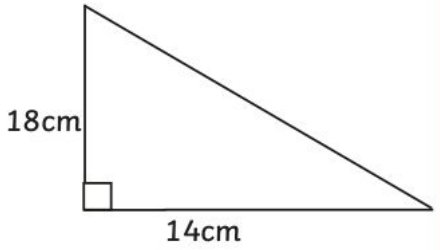
$\frac{3}{4} - \frac{3}{20} =$

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?

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 somepencils. 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.