

Q1.

(a) w and x are **whole** numbers.

$$w > 40$$

$$x < 30$$

Work out the **smallest** possible value of $w - x$

.....

.....

.....

Answer

(2)

(b) y and z are **whole** numbers.

$$y < 60$$

$$z \leq 50$$

Work out the **largest** possible value of $y + z$

.....

.....

.....

Answer

(2)

(Total 4 marks)

Q2.

(a) Solve $5w - 11 = 24$

.....

.....

$w =$

(2)

(b) Write an expression for the total cost, in pounds, of

x jumpers at £15 each
and
 y shirts at £12 each.

.....

Answer

(1)

(c) Simplify $x + x + y \times y$

.....

Answer

(1)

(Total 4 marks)

Q3. Circle the correct words to complete each sentence.

(a) $5x + 1 = 16$ is

an expression

an equation

a formula

(1)

(b) $V = \pi r^2 h$ is

an expression

an equation

a formula

(1)

(c) $x + 3$ is

an expression

an equation

a formula

(1)

(d) $2x + 3y$ is

an expression

an equation

a formula

(1)
(Total 4 marks)

Q4. Circle the correct word to describe the following.

(a) $2x - 7y$

Equation

Expression

Formula

(1)

(b) $P = 2l + 2w$

Equation

Expression

Formula

(1)
(Total 2 marks)

Q5. The cost, C pence, of x cups of tea and y cups of coffee is given by

$$C = 30x + 50y$$

(a) Circle the cost of a cup of tea.

30p

50p

£30

£50

(1)

(b) Work out the total cost, in pounds, of four cups of tea and five cups of coffee.

.....
.....
.....

Answer £

(3)
(Total 4 marks)