

Evaluating expressions

1. If $a = 3$ and $b = 7$, work out the value of:

a. $b - a$

b. ab

c. $9b$

d. $4a + b$

e. $2a^2$

f. $a^2 + b^2$

2. If $p = 4$, $q = 9$ and $r = 12$, calculate:

a. $\frac{p+q+r}{5}$

b. \sqrt{pq}

c. $\frac{1}{4}r$

3.

a. $P = m - n$
find P , when $m = 9.7$ and $n = 7.9$

b. $S = 3g + 5h$
find S , when $g = 1.6$ and $h = 2.2$

4. The formula for finding the cost (in £s) of hiring a carpet cleaner is: **Cost = 12.75 plus 5.25 x no. of days**

Find the cost of hiring the Cleaner for 2 days

4. The formula for finding the cost (in £s) of hiring a car is: **Cost = 50.75 plus 25.50 x no. of days**

Find the cost of hiring the car for 5 days

I have demonstrated in the questions that I have understood how to substitute in values and then evaluate.

R A G