

## USING A FORMULA

1. Find the exact value of

$$\frac{1}{a} + \frac{1}{b} \quad \text{when } a = 0.5 \text{ and } b = 2$$

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Answer .....

2. Make  $p$  the subject of the formula  $t = 5p + 40$

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Answer  $p =$  .....

3. Use the formula  $v = u + at$

to find the value of  $v$  when  $u = -10$ ,  $a = 1.8$  and  $t = 3.7$

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Answer .....

4. Make  $c$  the subject of the formula  $d = \frac{c}{5} + e$

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Answer .....

5. (a) Find the value of  $3p + 2q$  when  $p = 7$  and  $q = -4$

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Answer .....

(b) Find the value of  $x^2 + y^2$  when  $x = -5$  and  $y = 3$

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Answer .....

(c) Use the formula  $R = 5e - 3f$   
to find the value of  $e$  when  $R = 6.4$  and  $f = 4.2$

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Answer  $e =$  .....