



1. Given that $3x = 4$ then $x = ?$
2. Simplify $3(x + 4) - 2(x - 3)$.
3. Given that $y = 4a - 2b^2$, $a = -1$ and $b = -2$. Find the value of y .
- ~~4.~~ Given that $2^x = 64$, find the value of x .
- ~~5.~~ 60% of the candidates who sat an examination passed. 120 candidates failed. How many passed the exam?
6. Given that $2(x + 8) = 30$, find x .
7. Simplify the expression $2ab \times 3a$.
8. A man bought some wood and was charged £18 plus VAT at 17.5%. Find his total bill.
- ~~9.~~ It takes 5 men, 12 days to dig a trench. How long does it take eight men?
10. What is a seven-sided figure called?
(a) septagon (b) polygon (c) nonagon (d) heptagon (e) pentagon