

Substitution into Formulae

Using the formula $A = L \times W$, find the value of A when:

- (a) $L = 10$ and $W = 6$
- (b) $L = 2.5$ and $W = 8$
- (c) $L = 3.5$ and $W = 4$

(a) $A = 60$

(b) $A = 20$

(c) $A = 14$

Using the formula $s = \frac{d}{t}$, find the value of s when:

- (a) $d = 10$ and $t = 2$
- (b) $d = 450$ and $t = 9$
- (c) $d = 20$ and $t = 2.5$

(a) 5

(b) 50

(c) 8

Using the formula $A = \frac{b \times h}{2}$, find the value of A when:

- (a) $b = 10$ and $h = 12$
- (b) $b = 5$ and $h = 7$
- (c) $b = 2.5$ and $h = 10$

(a) 60

(b) 17.5

(c) 12.5

Using the formula $V = L \times W \times H$, find the value of V when:

- (a) $L = 10, W = 5$ and $H = 2$
- (b) $L = 8, W = 6$ and $H = 4$
- (c) $L = 3, W = 4$ and $H = 2.5$

(a) 100

(b) 192

(c) 30

Using the formula $F = m \times a$, find the value of F when:

- (a) $m = 4$ and $a = -6$
- (b) $m = 7.5$, and $a = -10$

(a) -24

(b) -75

Using the formula $E = \frac{m \times v^2}{2}$, find the value of E when:

- (a) $m = 5$ and $v = 2$
- (b) $m = 20$, and $v = 4$

(a) 10

(b) 160