Substitute numbers into formula

MATHS·SCHOOL

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Name:

Given that $r = 3$, $s = 9$, $t = 4$ and $w = 10$, find the value of v:

a) $v = \dfrac{t+16}{5}$

b) $v = 4s + 2$

c) $v = s - 2$

d) $v = \dfrac{t}{2} + 2$

e) $v = 4r + w$

f) $v = rs + 10$

g) $v = tw + r$

h) $v = r^2 + s$

i) $v = w^2 - t^2$

Given that $r = 1$, $s = 4$, $t = 2$ and $w = 7$, find the value of u:

a) $u = \dfrac{t+16}{5}$

b) $u = 4s + 2$

c) $u = 3s - 5$

d) $u = \dfrac{t}{2} + 2$

e) $u = 4r + w$

f) $u = st - r$

g) $u = tw + r$

h) $u = r^2 + s$

i) $u = w^2 - rs$

Given that $a = -2$, $b = 10$, $c = -5$ and $d = -6$, find the value of e:

a) $e = \dfrac{a+d}{2}$

b) $e = a + c$

c) $e = 2b + 3$

d) $e = \dfrac{d}{2} + 7$

e) $e = cd$

f) $e = ab$

g) $e = c^2 + b$

h) $e = d^2 - c^2$

i) $e = abcd$

Given that $a = -2$, $b = 12$, $c = -8$ and $d = -7$, find the value of f:

a) $f = \dfrac{a+c}{2}$

b) $f = ab + c$

c) $f = d^2 - c$

d) $f = c - d$

e) $f = \dfrac{c}{2} - a$

f) $f = c^2 - a^2$

g) $f = ac - d$
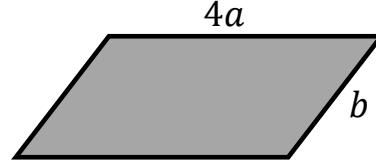
h) $f = cd - b$

i) $f = a^3 - c$

j) $f = d^2 - c^2$

k) $f = a^2 bc$

l) $f = a - c - d$

Exam style question:

The formula for the perimeter of this parallelogram
Is given as $P = 8a + 2b$

b) Calculate the perimeter of this parallelogram if
a = 5cm and b = 4cm.

$4a$

b