

Evaluate a formula with two or more variables

NAME	DATE	SCORE / 10
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- 1** The formula $d = rt$ gives the distance, in kilometres, at a speed of r kilometres per hour for t hours. Find d when $r = 40$ and $t = 2$.

- 2** The formula $A = (a + b) \times h \div 2$ gives the area of a trapezoid. Find A when $a = 7$, $b = 8$ and $h = 4$.

- 3** The formula $P = 2l + 2w$ gives the perimeter of a rectangle. Find P when $l = 12$ and $w = 10$.

- 4** The formula $V = lwh$ gives the volume of a box. Find V when $l = 10$, $w = 5$ and $h = 7$.

- 5** The formula $A = bh \div 2$ gives the area of a triangle. Find A when $b = 9$ and $h = 8$.

- 6** The formula $d = rt$ gives the distance, in kilometres, at a speed of r kilometres per hour for t hours. Find d when $r = 55$ and $t = 5$.

- 7** The formula $A = (a + b) \times h \div 2$ gives the area of a trapezoid. Find A when $a = 6$, $b = 7$ and $h = 6$.

- 8** The formula $A = (a + b) \times h \div 2$ gives the area of a trapezoid. Find A when $a = 9$, $b = 12$ and $h = 8$.

9

The formula $P = 2l + 2w$ gives the perimeter of a rectangle. Find P when $l = 12$ and $w = 8$.

10

The formula $d = rt$ gives the distance, in kilometres, at a speed of r kilometres per hour for t hours. Find d when $r = 45$ and $t = 5$.

Evaluate a formula with two or more variables

1 80

3 44

5 36

7 39

9 40

2 30

4 350

6 275

8 84

10 225