

Evaluate a formula with two or more variables

NAME	DATE	SCORE / 10
------	------	------------

1 The formula $A = bh \div 2$ gives the area of a triangle. Find A when $b = 11$ and $h = 12$.

2 The formula $A = (a + b) \times h \div 2$ gives the area of a trapezoid. Find A when $a = 9$, $b = 14$ and $h = 10$.

3 The formula $d = rt$ gives the distance, in kilometres, at a speed of r kilometres per hour for t hours. Find d when $r = 60$ and $t = 4$.

4 The formula $V = lwh$ gives the volume of a box. Find V when $l = 8$, $w = 7$ and $h = 8$.

5 The formula $P = 2l + 2w$ gives the perimeter of a rectangle. Find P when $l = 11$ and $w = 10$.

6 The formula $A = (a + b) \times h \div 2$ gives the area of a trapezoid. Find A when $a = 6$, $b = 13$ and $h = 9$.

7 The formula $d = rt$ gives the distance, in kilometres, at a speed of r kilometres per hour for t hours. Find d when $r = 35$ and $t = 5$.

8 The formula $A = (a + b) \times h \div 2$ gives the area of a trapezoid. Find A when $a = 7$, $b = 9$ and $h = 6$.

9

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 $t = 2$.

10

The formula $A = bh \div 2$ gives the area of a triangle. Find A when $b = 4$ and $h = 8$.

Evaluate a formula with two or more variables

1 66

3 240

5 42

7 175

9 80

2 115

4 448

6 85.5

8 48

10 16