

Maths

Solving one-step equations

Miss Parnham



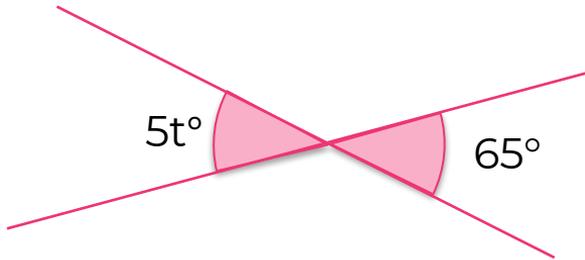
Solving one-step equations

1. Solve the equations.

a) $p - 17 = 28$ b) $7q = 63$

c) $\frac{r}{4} = 8$ d) $29 + s = 73$

2. Form and solve an equation to find t .



3. Solve the equations.

a) $a - 7 = -5$ b) $-4b = 20$

c) $\frac{c}{3} = -8$ d) $-11 + d = 46$

4. Amir is solving equations, what mistake has he made?

$-8e = 48$
 $\div 8$ $e = \frac{48}{8}$ $\div 8$
 $e = 6$



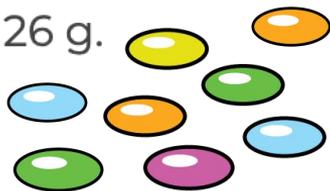
Solving one-step equations

5. Solve the equations.

a) $w - 1.7 = 4.5$ b) $5x = 42$

c) $\frac{y}{3} = -1\frac{3}{4}$ d) $z + 7.2 = 4.38$

6. 8 jellybeans weigh 26 g.



Form and solve an equation to find what 1 jellybean weighs.

7. Dora is x m tall.

Mo is 0.3 m shorter than Dora.

Mo is 1.28 m tall.

Form and solve an equation to find Dora's height.

8. I think of a number.

I add $8\frac{3}{4}$ to it and the answer is 4.5

Form and solve an equation to find the number I was thinking of.



Answers



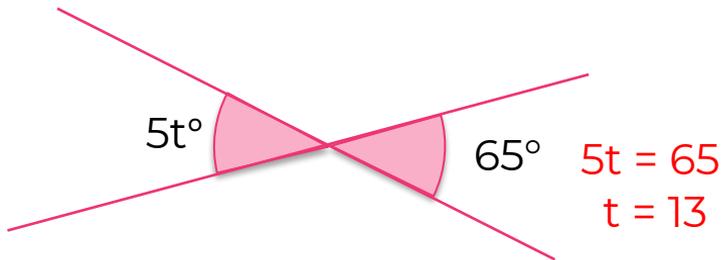
Solving one-step equations

1. Solve the equations.

a) $p - 17 = 28$ b) $7q = 63$
 $p = 45$ $q = 9$

c) $\frac{r}{4} = 8$ d) $29 + s = 73$
 $r = 32$ $s = 44$

2. Form and solve an equation to find t.



3. Solve the equations.

a) $a - 7 = -5$ b) $-4b = 20$
 $a = 2$ $b = -5$

c) $\frac{c}{3} = -8$ d) $-11 + d = 46$
 $c = -24$ $d = 57$

4. Amir is solving equations, what mistake has he made?

$-8e = 48$
 $\div 8$ $e = \frac{48}{8}$ $\div 8$
 $e = 6$

He should have divided by -8



Solving one-step equations

5. Solve the equations.

a) $w - 1.7 = 4.5$

$w = 6.2$

b) $5x = 42$

$x = 8.4$

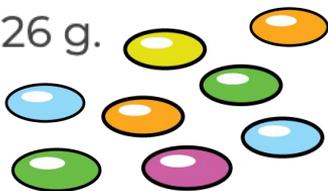
c) $\frac{y}{3} = -1\frac{3}{4}$

$y = -5\frac{1}{4}$

d) $z + 7.2 = 4.38$

$z = -2.82$

6. 8 jellybeans weigh 26 g.



Form and solve an equation to find what 1 jellybean weighs.

3.25 g

$8j = 26$

$j = 3.25$

7. Dora is x m tall.

Mo is 0.3 m shorter than Dora.

Mo is 1.28 m tall

Form and solve an equation to find Dora's height.

$x - 0.3 = 1.28$

$x = 1.58$

1.58 m

8. I think of a number.

I add $8\frac{3}{4}$ to it and the answer is 4.5.

Form and solve an equation to find the number I was thinking of.

$n + 8.75 = 4.5$

$n = -4.25$

