



# Equations with Fractions



← REVISE THIS TOPIC

1 Solve  $\frac{2x}{3} = 4$  [2 marks]

$2x = 12$

$x = 6$

2 Solve  $\frac{5y}{4} = 10$  [2 marks]

$5y = 40$

$y = 8$

3 Solve  $\frac{3w}{2} = 12$  [2 marks]

$3w = 24$

$w = 8$

4 Solve  $\frac{a}{2} + 1 = 7$  [2 marks]

$\frac{a}{2} = 6$

$a = 12$

5 Solve  $\frac{b+1}{2} = 7$  [2 marks]

$b + 1 = 14$

$b = 13$





6 Solve  $\frac{p}{3} - 3 = 2$

[2 marks]

$$\frac{p}{3} = 5$$

$$p = 15$$

7 Solve  $\frac{q-2}{9} = 3$

[2 marks]

$$q - 2 = 27$$

$$q = 29$$

8 Solve  $\frac{r}{3} + 6 = 2$

[2 marks]

$$\frac{r}{3} = -4$$

$$r = -12$$

9 Solve  $\frac{c+10}{2} = 6$

[2 marks]

$$c + 10 = 12$$

$$c = 2$$

10 Solve  $5 + \frac{d}{3} = 12$

[2 marks]

$$\frac{d}{3} = 7$$

$$d = 21$$





11 Solve  $\frac{2x-3}{3} = 5$

[3 marks]

$$2x - 3 = 15$$

$$2x = 18$$

$$x = 9$$

12 Solve  $\frac{4y}{5} + 10 = 16$

[3 marks]

$$\frac{4y}{5} = 6$$

$$4y = 30$$

$$y = 7.5$$

13 Solve  $\frac{2w-3}{4} = 5$

[3 marks]

$$2w - 3 = 20$$

$$2w = 23$$

$$w = 11.5$$

14 Solve  $\frac{4(n-3)}{3} = 8$

[3 marks]

$$4n - 12 = 24$$

$$4n = 36$$

$$n = 9$$

