3 Solve the equation.

$$x - 11 = -4$$

$x =$ ..... [1]

3 Solve $7x - 5 = 37$.

$x =$ ..... [2]

2 Solve the equation.

$$2x - 7 = -3$$

$x =$ ..... [2]

6 Solve.

(a) $4x = 28$

$x =$ ..... [1]

(b) $3(a - 6) = 24$

$a =$ ..... [2]

4 Solve.

$$-3(1 - 4x) = 9$$

$x =$ ..... [3]

6 Solve.

(a) $8x+7=39$

$x =$ ..... [2]

(b) $2(5y-1)=24$

$y =$ ..... [3]

2 Solve the equation.

$$7-5x=-3$$

$x =$ ..... [2]

6 Solve.

$$5x - 10 = 3x - 6$$

$x =$ ..... [2]

5 Solve.

$$2(4x - 1) = 3(2x + 1)$$

$x =$ ..... [3]

2 Solve the equation.

$$2q - 7 = 2 - 7q$$

$q =$ ..... [2]

4 Solve.

(a) $5-2x=0$

$x =$ ..... [1]

(b) $-12+2x=5x-3$

$x =$ ..... [2]

4 Solve.

(a) $2-4(5-2x)=0$

$x =$ ..... [2]

3 Solve the equation.

$$6-2x=3x$$

$x =$ ..... [2]

7 Solve.

(a) $15t+8=4-t$

$t =$ ..... [2]

(b) $\frac{25-2u}{3}=2$

$u =$ ..... [2]

14 Solve the equation.

$$\frac{1-x}{3}=5$$

$x =$ ..... [2]

8 Solve.

(a) $\frac{30}{x}=6$

$x =$ ..... [1]

(b) (i) Solve.

$$\frac{3w}{16}-1=\frac{1}{2}$$

$w =$ ..... [2]

(d) Solve.

$$\frac{13-4x}{3} = 6-x$$

$x =$ ..... [3]

15 Solve.

$$\frac{8-x}{3} = \frac{x+1}{2}$$

$x =$ ..... [3]

18 Solve.

$$\frac{3y}{2y-1} = \frac{3}{4}$$

$y =$ ..... [3]

(b) Solve the equation. $\frac{2x+5}{3-x} = \frac{14}{15}$

$x =$ ..... [3]

4 **(a)** Solve.

(i) $6(7-2x) = 3x-8$

$x =$ ..... [3]

(ii) $\frac{2x}{x-5} = \frac{2}{3}$

$x =$ ..... [3]

14 Solve $\frac{x+1}{x-1} - \frac{1}{3} = 0$.

$x =$ ..... [3]

(c) Solve the equations.

(i) $3(3-x) - \frac{2(x+2)}{5} = 1$

$x =$ ..... [4]

(ii) $\frac{5}{x+3} = \frac{3}{x+5}$

$x =$ ..... [3]

(b) Solve the equation.

$$\frac{x}{4}+\frac{2x}{3}=1$$

$x =$ ..... [2]

3 **(a)** Geeta buys x apples, $(x+7)$ oranges and $(2x-1)$ bananas.
The total number of pieces of fruit Geeta buys is 30.

(i) Find the number of apples Geeta buys.

..... [3]

10 A group of 12 adults and 9 children travel on a bus.

The cost of an adult ticket is $\$n$.
The cost of a child ticket is $\$(n-10)$.

The total cost of the tickets is \$277.50 .

Find the cost of one adult ticket.

\$ ..... [3]

8 **(a)** A shop sells shirts for $\$x$ and jackets for $\$(x + 27)$.
The shop sells 4 shirts and 3 jackets for a total of \$194.75 .

Write down and solve an equation to find the cost of one shirt.

\$ ..... [3]

18 Mrs Kohli buys a jacket, 2 shirts and a hat.
The jacket costs $\$x$.
The shirts each cost \$24 less than the jacket and the hat costs \$16 less than the jacket.
Mrs Kohli spends exactly \$100.

Write down an equation in terms of x.
Solve this equation to find the cost of the jacket.

\$ ..... [3]