Name:

**Exam Style Questions** 

Solving Equations



Equipment needed: Calculator, pen

#### Guidance

- 1. Read each question carefully before you begin answering it.
- 2. Check your answers seem right.
- 3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

Video 110 Video 113



Answers and Video Solutions



Solve 
$$4g = 12$$



g = ..... (1)

2.

Solve

$$x - 3 = 8$$



x = ..... (1)

3.

Solve

$$x + 5 = 7$$



4.

Solve

$$x + 7 = 4$$



5.

Solve

$$25 = 8 + y$$



6.

Solve

$$\frac{x}{4} = 7$$

x = .....(1)

7.

Solve

$$\frac{x}{2} = 10$$

x = .....(1)

8.

Solve

$$5x = 90$$



x = .....(1)

9.

Solve

$$\frac{m}{5} = 3.7$$

$$3x = -24$$



x = .....(1)

$$2w - 1 = 13$$

$$3y + 4 = 22$$



$$9c - 4 = 68$$

$$5y + y = 60$$





$$\frac{c}{2} + 3 = 10$$

16. Solve

$$10y - 3 = 24$$

$$8w + 20 = 4$$





Solve 
$$12 - y = 5$$

$$4y - 5 = 18$$



20. Solve

$$18 - 4a = 2$$



21.

$$\frac{3x}{4} = 9$$

Solve

$$2e - 8 = 14$$



### 23.

Solve

$$\frac{w+3}{4} = 6$$

# 24.

Solve

$$3(y+4) = 24$$





Solve 
$$3(4w - 1) = 39$$

$$5(2y + 7) = 20$$

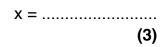
$$\frac{2x-9}{7} = 4$$



$$7w + 3 = 5w + 9$$



$$9x - 2 = 3x + 70$$



$$8x + 1 = 6 - 2x$$





$$12x + 3 = 7x - 4$$



$$7x = 61.6 - 4x$$



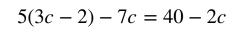
$$7y + 6 = 5(y - 2)$$



$$4(2x - 5) = 5x + 4$$

x = .....(3)

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



Solve 
$$\frac{7-w}{3} = 3w - 4$$

Solve 
$$\frac{y+7}{y} = 3$$

39.

| w | W | W | w | 20 |
|---|---|---|---|----|
| w | w | X | × | 24 |
| w | X | X | У | 25 |
| w | × | У | Z | 30 |

In the grid above, each row adds up to the number to the right.

Find the values of w, x, y and z.

| _ |   |    |    |    | - |      |     | _ |       |    | - | 1  | Δ | ١ |
|---|---|----|----|----|---|------|-----|---|-------|----|---|----|---|---|
| z | = |    |    |    |   | <br> |     |   |       |    |   |    |   |   |
| y | = |    |    |    | • | <br> |     |   |       |    |   |    | - |   |
| X | = |    |    |    |   | <br> |     |   |       |    |   |    | - |   |
| N | = | •• | •• | ٠. | - | <br> | • • |   | <br>- | ٠. | • | ٠. | • |   |