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

$$25 = 8 + y$$



Solve

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

x = .....(1)

6.

Solve

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

x = .....(1)

7.

Solve

$$5x = 90$$



8.

Solve

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

Solve

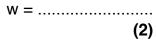
$$3x = -24$$



x = .....(1)

Solve

$$2w - 1 = 13$$





Solve

$$3y + 4 = 22$$



12.

Solve

$$9c - 4 = 68$$



Solve

$$5y + y = 60$$



y = .....**(2)** 

## 14.

Solve

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

c = .....**(2)** 

## 15. S

Solve

$$10y - 3 = 24$$

y = .....**(2)** 

Solve

$$8w + 20 = 4$$



w = .....



Solve 
$$12 - y = 5$$

18. Solve

$$4y - 5 = 18$$



19. Solve

$$18 - 4a = 2$$



20.

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



$$2e - 8 = 14$$

22.

Solve

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

(2)

Solve 23.

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

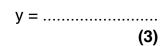




Solve 
$$3(4w - 1) = 39$$

25. Solve

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



26. Solve

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



7w + 3 = 5w + 9



28. Solve

9x - 2 = 3x + 70



29. Solve

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



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



Solve 31.

$$7x = 61.6 - 4x$$



32.

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



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

34. Solve 
$$2(2x+1) = 3(x-4)$$

35. Solve 
$$5(3c-2) - 7c = 40 - 2c$$

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

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

38.

w	W	W	w	20
w	w	X	×	24
w	X	X	У	25
w	×	y	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.

z	=			 									
у	=			 		•			•			-	
X	=			 				 	-			-	
N	=	••	••	 	• •		• •	 	-	 •	٠.	•	-