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)

$$2w - 1 = 13$$

$$3y + 4 = 22$$



$$9c - 4 = 68$$

$$5y + y = 60$$





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

$$\frac{c}{2} + 8 = 10 - 3$$

$$2 \times \frac{c}{2} = 7 \times 2$$

$$C = 14$$

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

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

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



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



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



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





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



$$7x = 61.6 - 4x$$



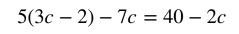
$$7y + 6 = 5(y - 2)$$



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

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.

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