

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



1. Solve $4g = 12$



$g = \dots\dots\dots$
(1)

2. Solve $x - 3 = 8$



$x = \dots\dots\dots$
(1)

3. Solve $x + 5 = 7$



$x = \dots\dots\dots$
(1)

4. Solve $x + 7 = 4$



$x = \dots\dots\dots$
(1)

5. Solve $25 = 8 + y$



$y = \dots\dots\dots$
(1)

5. Solve



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

x =
(1)

6. Solve



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

x =
(1)

7. Solve



$$5x = 90$$

x =
(1)

8. Solve



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

m =
(1)

9. Solve $3x = -24$



$x = \dots\dots\dots$
(1)

10. Solve $2w - 1 = 13$



$w = \dots\dots\dots$
(2)

11. Solve $3y + 4 = 22$



$y = \dots\dots\dots$
(2)

12. Solve $9c - 4 = 68$



$c = \dots\dots\dots$
(2)

13. Solve $5y + y = 60$



$y = \dots\dots\dots$
(2)

14. Solve $\frac{c}{2} + 3 = 10$



$c = \dots\dots\dots$
(2)

15. Solve $10y - 3 = 24$



$y = \dots\dots\dots$
(2)

16. Solve $8w + 20 = 4$



$w = \dots\dots\dots$
(2)

17. Solve $12 - y = 5$



$y = \dots\dots\dots$
(1)

18. Solve $4y - 5 = 18$



$y = \dots\dots\dots$
(2)

19. Solve $18 - 4a = 2$



$a = \dots\dots\dots$
(2)

20. Solve $\frac{3x}{4} = 9$



$x = \dots\dots\dots$
(2)

21. Solve $2e - 8 = 14$



$e = \dots\dots\dots$
(2)

22. Solve



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

$w = \dots\dots\dots$
(2)

23. Solve $3(y + 4) = 24$



$y = \dots\dots\dots$
(3)

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



$w = \dots\dots\dots$
(3)

25. Solve $5(2y + 7) = 20$



$y = \dots\dots\dots$
(3)

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



$x = \dots\dots\dots$
(3)

27. Solve $7w + 3 = 5w + 9$



$w = \dots\dots\dots$
(3)

28. Solve $9x - 2 = 3x + 70$



$x = \dots\dots\dots$
(3)

29. Solve $8x + 1 = 6 - 2x$



$x = \dots\dots\dots$
(3)

30. Solve $12x + 3 = 7x - 4$



x =
(3)

31. Solve $7x = 61.6 - 4x$



x =
(2)

32. Solve $7y + 6 = 5(y - 2)$



y =
(3)

33. Solve $4(2x - 5) = 5x + 4$



x =
(3)

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



x =
(4)

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



c =
(4)

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



w =
(3)

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



y =
(3)

38.



w	w	w	w	20
w	w	x	x	24
w	x	x	y	25
w	x	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.

w =

x =

y =

z =

(4)