Name:

Exam Style Questions

Solving Equations

Corbettmaths

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 = ...

(1)

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2. Solve $x - 3 = 8$

x = ...

(1)

---

3. Solve $x + 5 = 7$

x = ...

(1)

---

4. Solve $x + 7 = 4$

x = ...

(1)

---

5. Solve $25 = 8 + y$

y = ...

(1)

6. Solve $\frac{x}{4} = 7$

x = ...

(1)

---

7. Solve $\frac{x}{2} = 10$

x = ...

(1)

---

8. Solve $5x = 90$

x = ...

(1)

---

9. Solve $\frac{m}{5} = 3.7$

m = ...

(1)

10. Solve $3x = -24$

x = ...

(1)

---

11. Solve $2w - 1 = 13$

w = ...

(2)

---

12. Solve $3y + 4 = 22$

y = ...

(2)

---

13. Solve $9c - 4 = 68$

c = ...

(2)

14. Solve $5y + y = 60$

y = ...

(2)

---

15. Solve

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

c = ...

(2)

---

16. Solve $10y - 3 = 24$

y = ...

(2)

---

17. Solve $8w + 20 = 4$

w = ...

(2)

18. Solve $12 - y = 5$

y = ...

(1)

---

19. Solve $4y - 5 = 18$

y = ...

(2)

---

20. Solve $18 - 4a = 2$

a = ...

(2)

---

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

x = ...

(2)

22. Solve $2e - 8 = 14$

e = ...

(2)

---

23. Solve

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

w = ...

(2)

---

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

y = ...

(3)

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

w = ...

(3)

---

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

y = ...

(3)

---

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

x = ...

(3)

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

w = ...

(3)

---

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

x = ...

(3)

---

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

x = ...

(3)

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

x = ...

(3)

---

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

x = ...

(2)

---

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

y = ...

(3)

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

x = ...

(3)

---

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

x = ...

(4)

---

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

c = ...

(4)

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

w = ...

(3)

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

y = ...

(3)

39.

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)