

Push Tasks — Answers



1. $x + 5 = 2$

$x = -3$ (subtract 5)

2. $x - 3 = -1$

$x = 2$ (add 3)

3. $2x + 3 = 7$

$2x = 4, x = 2$

4. $3x - 2 = 10$

$3x = 12, x = 4$

5. $\frac{x}{2} + 1 = 5$

$\frac{x}{2} = 4, x = 8$

6. $\frac{x}{3} - 2 = 4$

$\frac{x}{3} = 6, x = 18$

7. $4x - 5 = 7$

$4x = 12, x = 3$

8. $5x + 2 = 12$

$5x = 10, x = 2$

9. $\frac{x}{4} + 3 = 7$

$\frac{x}{4} = 4, x = 16$

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10. $-2x = 8$

$x = -4$ (divide by -2)

13. $-5x = 25$

$x = -5$ (divide by -5)

16. $2x + 7 = 13$

$2x = 6, x = 3$

11. $-3x = 15$

$x = -5$ (divide by -3)

14. $x + 8 = 3$

$x = -5$ (subtract 8)

17. $3x - 4 = 11$

$3x = 15, x = 5$

12. $-4x = 20$

$x = -5$ (divide by -4)

15. $x - 2 = -5$

$x = -3$ (add 2)

18. $\frac{x}{5} + 2 = 6$

$\frac{x}{5} = 4, x = 20$

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19. Check $x = 3$ in

$$2x + 1 = 7$$

$$2(3) + 1 = 7 \checkmark$$

20. Check $x = 4$ in

$$3x - 2 = 10$$

$$3(4) - 2 = 10 \checkmark$$

21. Check $x = 2$ in

$$4x + 3 = 11$$

$$4(2) + 3 = 11 \checkmark$$

22. Number $+ 5 = 12$

$$x + 5 = 12, x = 7$$

23. 3 times a number =
21

$$3x = 21, x = 7$$

24. Number $\div 4 = 6$

$$\frac{x}{4} = 6, x = 24$$

25. Five more than

$$2x = 13$$

$$2x + 5 = 13, x = 4$$

26. Seven less than

$$3x = 14$$

$$3x - 7 = 14, x = 7$$

27. Number $+ 8 = 20$

$$x + 8 = 20, x = 12$$