

Push Tasks — Answers



1. $2x + 5, x = 3$

$$2 \times 3 + 5 = 11$$

2. $x^2 - 4, x = 3$

$$3^2 - 4 = 5$$

3. $3x^2, x = 3$

$$3 \times 3^2 = 27$$

4. $(x + 2)^2, x = 3$

$$(3 + 2)^2 = 25$$

5. $2a + 3, a = 4$

$$2 \times 4 + 3 = 11$$

6. $a^2 - 1, a = 4$

$$4^2 - 1 = 15$$

7. $3a^2, a = 4$

$$3 \times 4^2 = 48$$

8. $3m + 2, m = -1$

$$3(-1) + 2 = -1$$

9. $m^2, m = -1$

$$(-1)^2 = 1$$

Push Tasks — Answers



10. $4p - 3, p = 2$

$$4 \times 2 - 3 = 5$$

13. $u^2 + 1, u = 1.5$

$$1.5^2 + 1 = 3.25$$

16. Taxi $3n + 4, n = 5$

$$3 \times 5 + 4 = 19 \text{ dollars}$$

11. $2p^2, p = 2$

$$2 \times 2^2 = 8$$

14. Rectangle $x + 2$ by

$$3, x = 4$$

$$(4 + 2) \times 3 = 18$$

17. Rule $2t^2 - 1, t = 3$

$$2 \times 3^2 - 1 = 17$$

12. $5u - 2, u = 1.5$

$$5 \times 1.5 - 2 = 5.5$$

15. Square $(a + 1)^2,$

$$a = 3$$

$$(3 + 1)^2 = 16$$

18. Rule $5 - h^2, h = 2$

$$5 - 2^2 = 1$$

Push Tasks — Answers



19. $3x - 2, x = 4$

$$3 \times 4 - 2 = 10$$

20. $x^2 + 1, x = 4$

$$4^2 + 1 = 17$$

21. $2y + 5, y = -1$

$$2(-1) + 5 = 3$$

22. $a^2 - 3a, a = 2$

$$2^2 - 3 \times 2 = -2$$

23. $4a + 1, a = 2$

$$4 \times 2 + 1 = 9$$

24. $r^2 \div 5, r = 10$

$$10^2 \div 5 = 20$$

25. $c \div 4 - 3, c = 20$

$$20 \div 4 - 3 = 2$$

26. Triangle $\frac{1}{2}bh,$

$$b = 8, h = 5$$

$$\frac{1}{2} \times 8 \times 5 = 20$$

27. $3x + 1 = 7, x = 2$

$$3 \times 2 + 1 = 7 \checkmark$$