

SUBSTITUTION - VERSION B**ANSWERS - VERSION B**

HELPFUL EXAMPLES. FIND THE VALUE OF EACH EXPRESSION IF $w = 6$ AND $z = 2$.

A. $3wz = 3 \times w \times z$

B. $\frac{w}{z} = w \div z$

C. $w^2 = w \cdot w$

$$3wz = 3 \times 6 \times 2 = 36$$

$$\frac{w}{z} = 6 \div 2 = 3$$

$$w^2 = 6 \times 6 = 36$$

FIND THE VALUE OF EACH EXPRESSION IF $a = 4$.

1. $2 + a \cdot 3$
14

2. $24 \div a + 4$
10

3. $5a + 7$
27

4. $14 - a + 2$
12

5. $6 + \frac{36}{a}$
15

6. $\frac{a}{a} + 3a$
13

FIND THE VALUE OF EACH EXPRESSION IF $t = 2$, and $x = 10$.

7. $t \cdot x - 8$
12

8. $x + 6 \div t$
8

9. $4tx - 20$
60

10. $x + t \cdot x$
30

11. $\frac{x}{t} \cdot 5$
25

12. $2x + 4t$
28

FIND THE VALUE OF EACH EXPRESSION IF $b = 3$, $k = 21$, and $n = 8$.

13. $\frac{k}{b} + n$
15

14. $k \div b \cdot n$
56

15. $n + k \div 7$
11

16. $3bn \div 12$
6

17. $\frac{k}{b} - \frac{n}{4}$
5

18. $n \cdot 2 + b$
19

FIND THE VALUE OF EACH EXPRESSION IF $e = 12$, $f = 2$, and $m = 5$.

19. $m^2 + 26 - m^2$
26

20. $m \cdot e \div f$
30

21. $\frac{2efm}{efm}$
2

22. $\frac{6f}{e} + m \cdot f$
11

23. $efm - em$
60

24. $f^4 - e \div f$
10