

ANSWER, FIND, AND SHADE SUBSTITUTION

NAME:

Find the value of each expression if $g = 24$ and $n = 8$.

1. $2g - (18 - n + 10)$
28

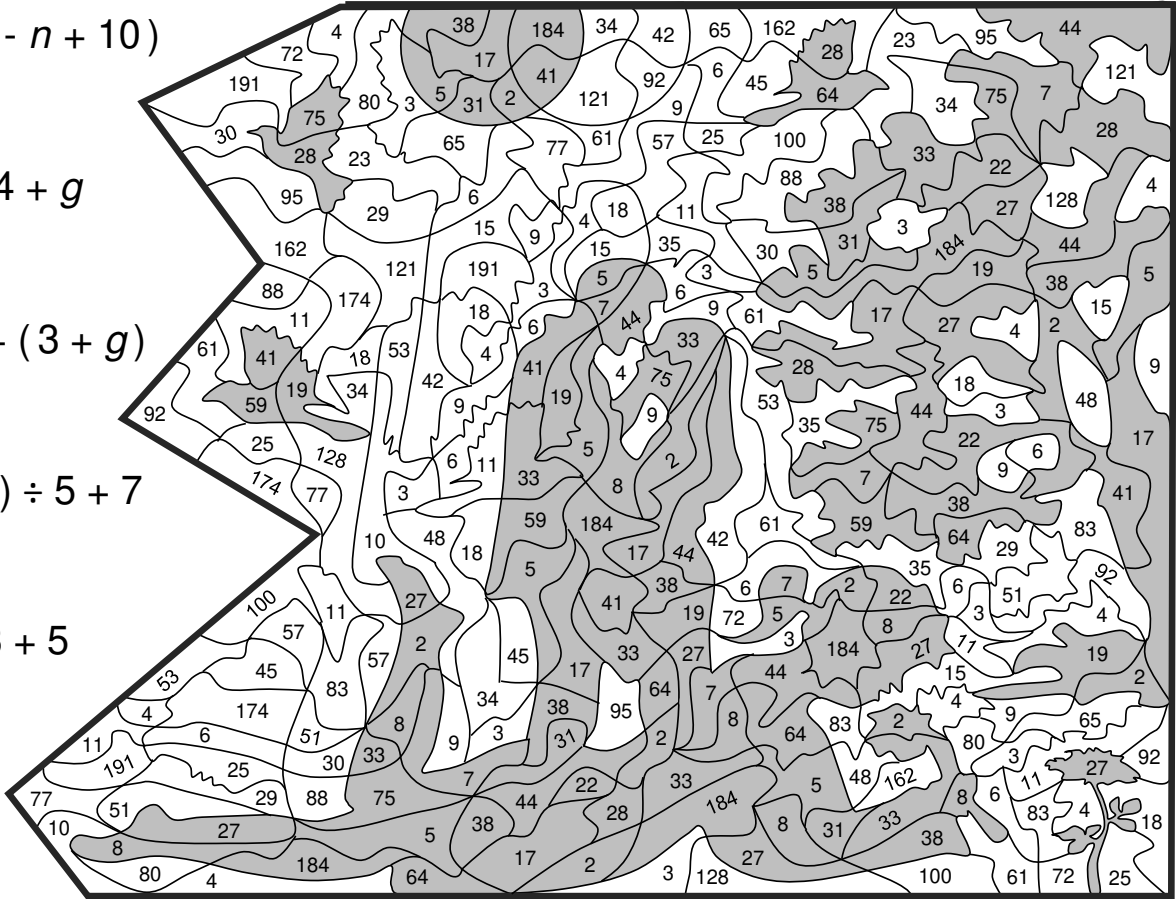
2. $37 - n \div 4 + g$
59

3. $(n \div 2) + (3 + g)$
31

4. $(3g - 12) \div 5 + 7$
19

5. $9 + g \div 3 + 5$
22

6. $4g - 4n$
64



Find the value of each expression if $x = 3$, $y = 5$, and $z = 4$.

7. $\left(\frac{yzx}{xy}\right)^2 + \left(\frac{xyzy}{yxz}\right)^2$
41

8. $y^2 + (29 - x + 24)$
75

9. $\left(\frac{4zx}{y-2}\right) + 3y + 7$
38

10. $x^4 - z^2 + y^3 - \frac{8x}{z}$
184

11. $\frac{12 + 6y + 7z}{8 - x + y}$
7

12. $\frac{3(5y - x + 3z)}{5x - 4 - y}$
17

Find the value of each expression if $a = \frac{3}{4}$, $b = \frac{3}{5}$, and $c = \frac{1}{4}$.

13. $\frac{a}{c} + \frac{a \div b}{c}$
8

14. $20(a + b + c + b)$
44

15. $\frac{(a + b - c) + (a - b + c)}{b \div 2}$
5

16. $2b(a^2 - c^2)(2 \div b)$
2

17. $\frac{a^2 - b^2}{a^2 - b^2} + \frac{8}{c}$
33

18. $\frac{4a^2 + 5b^2}{bc}$
27