

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

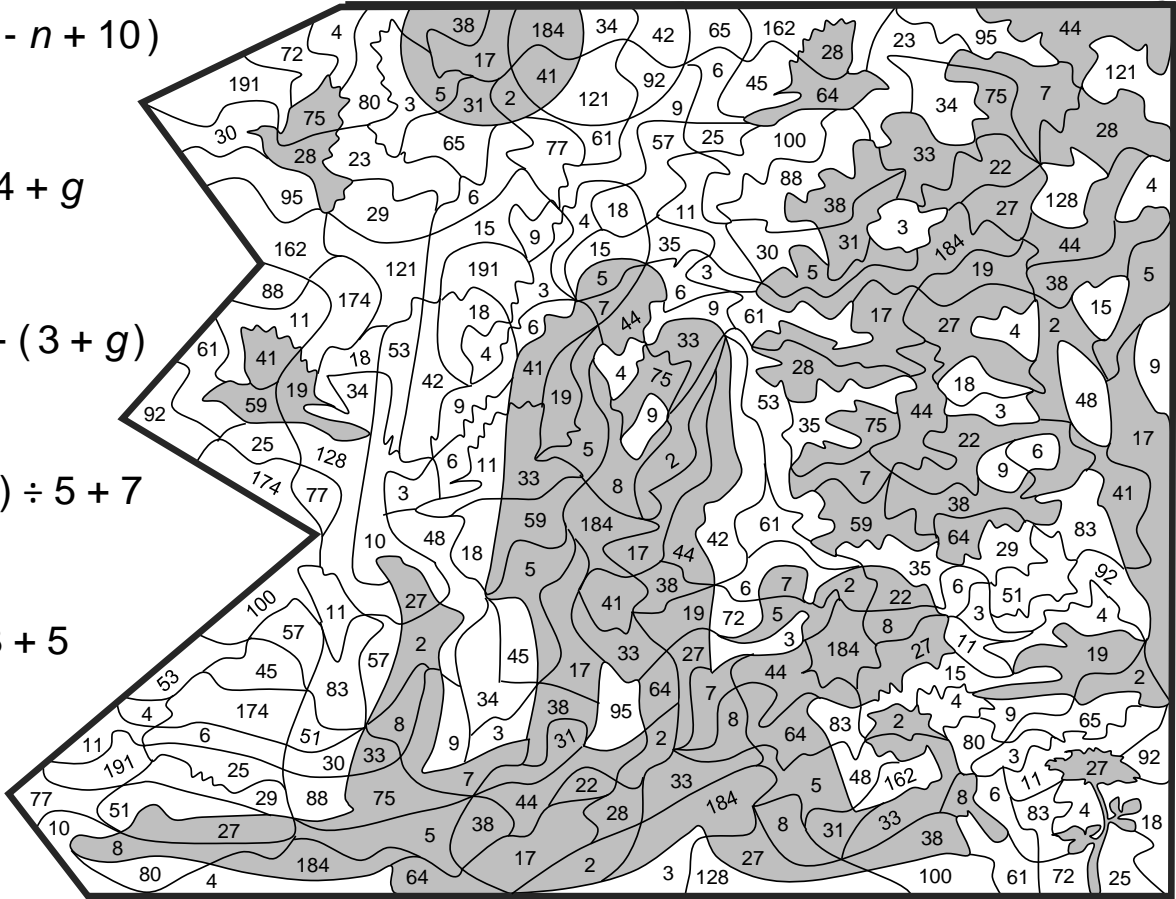
**19**

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**