

CRYPTIC QUIZ

Name _____
Color _____
Date _____

1. How Did Alfo Make A Quart Of Juice From Three Oranges?

ANSWER: 99-7-20-18-25-18-7-99-14-15-7-25-38-45-6-6-5-6

2. What Do You Get When The Post Office Burns Down?

ANSWER: 18-24-18-25-6-13-42-41-16-18-24-35-84-18-99-16

3. What Do Gorillas Sleep On In Fruit Orchards?

ANSWER: 18-72-27-99-24-13-7-25

TO DECODE THE ANSWERS TO THESE QUESTIONS:

Simplify any expression below and find your answer in the code. Each time the answer appears, write the letter of that expression above it. Keep working and you will decode the three answers.

1) **P** $(16 - 7) \times 8 =$

2) **L** $12 + (36 \div 9) =$

3) **G** $28 \div (10 - 8) =$

4) **U** $9(15 \div 3) =$

5) **W** $[(48 + 2) 2] \div 5 =$

6) **I** $(8 + 3) \cdot (16 - 7) =$

7) **H** $(20 \cdot 6) \div (6 + 2) =$

8) **O** $[45 - (3 \cdot 2)] \div 3 =$

9) **Z** $2 + [48 \div (12 + 4)] =$

10) **F** $3 \times 2 [4 + (9 \div 3)] =$

11) **C** $72 \div \left(\frac{29 + 7}{4 \times 3} \right) =$

12) **Q** $35 + \frac{50 + 25}{5 \cdot 5} =$

13) **K** $80 - [3(8 + 7)] =$

14) **E** $[5(20 - 2)] \div \frac{30}{2} =$

15) **M** $3[4(9 - 2)] =$

16) **R** $\frac{2[(7 \cdot 3) + 6]}{26 \div 13} =$

17) **B** $5 + [4 \cdot 3(2 + 1)] =$

18) **T** $\frac{7(8 - 1) + (42 \div 3)}{(10 - 7)3} =$

19) **S** $50 \div [(4 \cdot 5) - (36 \div 2)] =$

20) **A** $\left[\frac{3(12 - 7)}{2 + 3} \right] \times 6 =$

Find each product.

1. $(-3)(-4)$
2. $-8(7)$
3. $5(-7)$
4. $2\left(-\frac{5}{7}\right)$
5. $\left(-\frac{3}{4}\right)\left(\frac{7}{8}\right)$
6. $\left(-\frac{4}{5}\right)\left(-\frac{5}{6}\right)$
7. $(6.8)(-1.3)$
8. $(-5)(7)(-3)$
9. $\left(-\frac{2}{3}\right)(-9)$
10. $\frac{3}{5}(-6)(-15)$
11. $\frac{2}{3}(-4)(9)$
12. $(-5)(7)(-12)(0)$
13. $\frac{3}{8}(-24)(5)(3)$
14. $(-3.6)(0.057)$
15. $(-1.32)(-5)(2.1)$
16. $\frac{5}{6}\left(-\frac{5}{6}\right)(-9)$
17. $-\frac{1}{2}\left(\frac{7}{12}\right)\left(-\frac{4}{5}\right)$
18. $\frac{8(3)}{9(5)}\left(-\frac{1}{4}\right)$
19. $\frac{7}{8}(-16)(-7)\left(-\frac{1}{14}\right)$
20. $(5)(-3)(-1)(-4)$
21. $\frac{5}{16}(-2)(-4)\left(-\frac{4}{5}\right)$

Dividing Rational Numbers

Simplify.

1. $\frac{-63}{9}$
2. $\frac{36}{-6}$
3. $\frac{-42}{-7}$
4. $\frac{-144x}{12}$
5. $\frac{-54z}{-9}$
6. $\frac{56a}{-8}$
7. $-36 \div (-4)$
8. $-24 \div 6$
9. $75 \div (-15)$
10. $\frac{2}{3} \div 6$
11. $-\frac{5}{6} \div (-20)$
12. $-8 \div \left(-\frac{9}{14}\right)$
13. $\frac{3}{4} \div -6$
14. $\frac{6}{-\frac{2}{9}}$
15. $-\frac{7}{\frac{2}{5}}$
16. $\frac{5x + 25}{5}$
17. $\frac{18t + 12r}{-3}$
18. $\frac{5a - 10}{-5}$
19. $\frac{18x + 12}{-6}$
20. $\frac{-4c + (-16d)}{4}$
21. $\frac{8k - 12h}{-4}$
22. $-323 \div (-17)$