

Archimedean Middle Conservatory

Date: January 14 2025

Chapter 5 Practice Quiz

Grade 6 American math

Evaluate the expression. Write fractions in simplest form.

1. $-19 + 4$

2. $-\frac{7}{8} - \frac{1}{4}$

3. $-4.4 \times (-6.02)$

4. $-1\frac{5}{6} \div 4\frac{1}{6}$

5. $3\frac{9}{10} \times \left(-\frac{8}{3}\right)$

6. $\frac{-4.9}{-1.4}$

7. $\frac{7}{40} \left(-\frac{4}{21}\right)$

8. $-\frac{1}{9} \div \left(-2\frac{1}{3}\right)$

9. $-1\frac{5}{16} \div 2\frac{5}{8}$

10. $(-8)(4)(-3)$

11. $-0.122(0.5)(8)$

12. $\frac{1}{3} \left(3\frac{1}{2}\right) \left(-\frac{2}{7}\right)$

13. $-7.09(-1.5)(12)$

14. $|16 - 4^2 \div 2|$

15. $[(-0.2)^3 + 1.2] \div 2$

16. How many 2.25-pound containers can you fill with 24.75 pounds of almonds?
17. On January 1, you recorded the lowest temperature as 23°F and the highest temperature as 6°C . A formula for converting from degrees Fahrenheit F to degrees Celsius C is $C = \frac{5}{9}F - \frac{160}{9}$. What is the temperature range (in degrees Celsius) for January 1?
18. In a recent 10-year period, the change in the number of visitors to U.S. national parks was about $-11,150,000$ visitors. What was the mean yearly change in the number of visitors?
19. You have 36 pieces of candy to give to 16 people in your class.
- (a) You decide to give your teacher $\frac{1}{9}$ of the pieces of candy first. How many pieces of candy do you give to your teacher?
- (b) You divide the rest of the candy evenly among your class. Find how many pieces of candy each person receives.
20. Find the width of the rectangle if its length is 2.5 in. and area 6.25 sq in.

