

Math 070
Review of Real Numbers Worksheet

True or False:

1. $10 \leq 10$

2. $4 > 7$

Tell which set or sets each number belongs to: natural numbers, whole numbers, integers, rational numbers, irrational numbers, and real numbers:

3. $-\frac{1}{3}$

4. $\sqrt{3}$

Solve and reduce fractions to lowest terms:

5. $\frac{7}{12} \div \frac{1}{4}$

6. $2 - \frac{5}{8} + \frac{2}{3}$

7. $(\frac{6}{11})^2$

8. $\frac{6 + |13 - 4| + 4^2}{17 - 5}$

Evaluate the expression if $x = 3$, $y = 1$, $z = 4$:

9. $\frac{y^2 + x}{x^2 + 3z}$

Evaluate:

10. $|7 + (-16)|$

11. $-18 + (-5) + 11$

12. $-16 - (-3) + (-11) - 13$

Evaluate the expression when $x = -4$, $y = 2$, $t = -3$

13. $\frac{|5y - x|}{3t}$

Simplify:

14. $\frac{8 - 3(-2)}{2 - (5)(4)}$

15. $-4^2 + (-4)^2 + (1/2)(-2/3)$

16. $-1/5(15a - 25b)$

17. $-6(2x + 1 - 3y) - 1$

Use the table below to answer the questions:

18. What food is most popular?

19. What food is least popular?

20. Estimate the number of people who prefer Chinese food.

