

PROBLEMS: Real Numbers / Positive Negative Number Operations

1. $-23 + 17 = -6$
2. $56 - 70 = -14$
3. $(-3)(5) + (8)(-1) = -23$
4. $30 \div (-6) + (-41) = -46$
5. $9 + (-13) + 12 - 18 + (-2) = -12$
6. $-(-2) + 3 = 5$
7. $32 + -(-17) = 49$
8. $-107 - 86 + 95 = -98$
9. $-3(8 - 9) + 5(4 - 6) = -7$
10. $5(-20 \div -4) - 15 = 10$
11. $-3.4 + 1.9 = -1.5$
12. $-88.5 - 72.3 = -160.8$
13. $.062 - (2.03) = -1.968$
14. $-4.8(2.6 + -.3) = -11.04$
15. $(.00317 \div -8.2) - (17.9 - 6.1) = -11.80$
16. $\frac{3}{8} - \frac{5}{8} = -\frac{1}{4}$
17. $\frac{1}{4} - \frac{1}{3} = -\frac{1}{12}$

18. $-\frac{2}{7} + \frac{3}{7} = \frac{1}{7}$

19. $-3\frac{1}{2} - 2\frac{1}{2} = -6$

20. $10\frac{3}{8} - (-\frac{1}{2}) = \frac{87}{8}$

21. $-\frac{2}{9} * \frac{5}{3} = -\frac{10}{27}$

22. $-\frac{3}{7} * -\frac{1}{3} = \frac{1}{7}$

23. $-\frac{5}{10} * \frac{2}{3} = -\frac{1}{3}$

24. $\frac{7}{8} \div -\frac{5}{3} = -\frac{21}{40}$

25. $-\frac{3}{2} \div -\frac{6}{11} = \frac{33}{12}$

26. Define the Natural Numbers

The Natural Numbers (also known as the Counting Numbers) are the set of Real Numbers 1, 2, 3, 4, 5, 6, 7, ...

27. Define the Whole Numbers

The Whole Numbers are the set of Real Numbers 0, 1, 2, 3, 4, 5, 6, 7, ... (notice the Whole Numbers are the Natural Numbers plus 0)

28. Define the Integers

The Integers are the set of Real Numbers -4, -3, -2, -1, 0, 1, 2, 3, 4, ... (notice the Integers are the +/- Whole Numbers)

29. Define Rational Numbers

The Rational Numbers are the set of Real Numbers that are fractions formed by Integers they are also decimals that repeat and terminate; examples $2/5$, $-1/3$, 8 , $1/7$, $.25$, 3.2

30. Define Irrational Numbers

The Irrational Numbers are the set of Real Numbers that cannot be defined as a fraction they are also non-terminating, non-repeating decimals; examples π , $\sqrt{2}$

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