

Chapter 2: Properties of Real Numbers

2.2 Add Real Numbers

This lesson can be found on page 74 of your textbook.

Sponge Problems

1. Multiply: $\frac{10}{21} \times 6\frac{1}{8}$. (M8.A.3.3.1)

A. $2\frac{5}{12}$

B. $2\frac{11}{12}$

C. $3\frac{1}{12}$

D. $6\frac{11}{27}$

2. Simplify: $\frac{3}{0.24}$. (M8.A.3.3.1)

A. 0.08

B. 0.72

C. 12.5

D. 125.00

Review Problems

Indicate whether the following numbers are natural numbers, whole numbers, integers, rational numbers, irrational numbers, real numbers.

3. $\sqrt{7}$

4. 2.5

5. -7

6. 81

Section Problems

Find the sum.

7. $-11 + 3$

8. $-1 + 6$

9. $13 + (-7)$

10. $5 + (-10)$

11. $-9 + (-4)$

12. $-8 + (-2)$

13. $-2.4 + 3.9$

14. $-8.7 + 4.2$

15. $4.3 + (-10.2)$

16. $-6.5 + (-7.1)$

17. $4\frac{1}{5} + (-9\frac{1}{2})$

18. $8\frac{2}{3} + (-1\frac{3}{5})$

19. $-\frac{4}{9} + 1\frac{4}{5}$

20. $-3\frac{3}{7} + (-14\frac{3}{4})$

21. $-13 + 5 + (-7)$

22. $-18 + (-12) + (-19)$

23. $0.47 + (-1.8) + (-3.8)$

24. $-2.6 + (-3.4) + 7.6$

25. $-3\frac{1}{2} + (-7\frac{2}{5}) + (-9\frac{3}{10})$

26. $8\frac{2}{3} + (-6\frac{3}{5}) + 3\frac{1}{4}$

Evaluate the expression for the given value of x.

27. $3 + x + (-7)$; $x = 6$

28. $9.6 + (-x) + 2.3$; $x = -8.5$

29. $-1.7 + (-5.4) + (-x)$; $x = 2.4$

30. $1\frac{1}{4} + |x| + (-3\frac{1}{2})$; $x = -8\frac{2}{5}$