

Chapter 2: Properties of Real Numbers

2.3 Subtract Real Numbers

This lesson can be found on page 80 in your textbook.

Sponge Problems

- There are 28 students in each class. $\frac{1}{4}$ of the students are girls. If there are 8 classes, how many girls are there total? (M8.A.3.3.1)
A. 2 B. 7 C. 56 D. 112
- On Thursday Meredith exercised $\frac{8}{15}$ hours and on Friday she exercised $\frac{2}{5}$ hours. How many hours did she exercise? (M8.A.3.3.1)
A. $\frac{1}{2}$ B. $\frac{4}{15}$ C. $\frac{2}{3}$ D. $\frac{14}{15}$

Review Problems

Evaluate the expression.

- $20x$ when $x = 15$
- $3x + 8$ when $x = 12$
- $15.5 + x$ when $x = -30.2$
- $-x + 19.4$ when $x = 8.2$

Section Problems

Find the difference.

- $13 - (-5)$
- $16 - 32$
- $-11 - (-3)$
- $-15 - 29$
- $-35.9 - (-50)$
- $14.7 - (-2.30)$
- $-3.6 - 22.2$
- $-18.2 - (-15.4)$
- $\frac{1}{2} - \frac{5}{6}$
- $-\frac{5}{3} - \frac{8}{3}$
- $\frac{1}{2} - \left(-\frac{1}{4}\right)$
- $-\frac{7}{10} - \left(-\frac{2}{5}\right)$

Evaluate the expression when $x = 7.1$ and $y = -2.5$

- $x \text{ } \acute{o} \text{ } (-y)$
- $y \text{ } \acute{o} \text{ } x \text{ } \acute{o} \text{ } 12$
- $x \text{ } \acute{o} \text{ } (y \text{ } \acute{o} \text{ } 13)$
- $\acute{o}y \text{ } \acute{o} \text{ } (1.9 \text{ } \acute{o} \text{ } x)$
- $x \text{ } \acute{o} \text{ } (-6) + y$
- $\acute{o}y \text{ } \acute{o} \text{ } x$

Evaluate the expression when $x = 3.6$, $y = 6.6$, and $z = -11$

- $(x \text{ } \acute{o} \text{ } y) - |z|$
- $(x - |y|) \text{ } \acute{o} \text{ } z$
- $(-x \text{ } \acute{o} \text{ } y) \text{ } \acute{o} \text{ } z \text{ } \acute{o} \text{ } 5$
- $x + y \text{ } \acute{o} \text{ } z + 12.9$
- $x - |y \text{ } \acute{o} \text{ } z|$
- $\acute{o}z + y \text{ } \acute{o} \text{ } x \text{ } \acute{o} \text{ } (-2.4)$