

Chapter 2: Properties of Real Numbers

2.5 Divide Real Numbers

This lesson can be found on page 103 of your textbook.

Sponge Problems

- Simplify: $3^3 + 4(8 - 5) \div 6$ (M8.A.2.1.1)
A. 6.5 B. 11 C. 27.5 D. 29
- What is the value of the expression: $2^3 + 82(3 \times 10^3) - 16$? (M8.A.2.1.1)
A. 7,370 B. 7,730 C. 198,008 D. 245,992

Review Problems

Multiply or Divide

- $\frac{1}{2} \cdot \frac{2}{5}$
- $\frac{4}{7} \cdot \frac{1}{8}$
- $1\frac{2}{3} \cdot 2\frac{3}{10}$
- $\frac{1}{5} \div \frac{3}{10}$
- $\frac{2}{3} \div \frac{4}{9}$
- $2\frac{3}{4} \div 1\frac{5}{8}$

Find the sum, difference, or product.

- $-7 + (-4)$
- $8 + (-11)$
- $12 - 23$
- $-9 - 6$
- $(-11)(-2.1)$
- $15(3.5)$

Section Problems

Find the quotient.

- $-21 \div 3$
- $-18 \div (-6)$
- $-1 \div \left(-\frac{7}{2}\right)$
- $15 \div \left(-\frac{3}{4}\right)$
- $13 \div \left(-4\frac{1}{3}\right)$
- $-\frac{2}{3} \div 2$
- $-\frac{1}{2} \div \frac{1}{5}$
- $-\frac{1}{5} \div (-6)$
- $\left(-\frac{4}{7}\right) \div (-2)$
- $-1 \div \left(-\frac{6}{5}\right)$
- $8 \div \left(-\frac{4}{11}\right)$
- $-\frac{1}{3} \div \frac{5}{3}$

Simplify the expression.

- $\frac{6x - 14}{2}$
- $\frac{12y - 8}{-4}$
- $\frac{9z - 6}{-3}$
- $\frac{-20b + 12}{-5}$