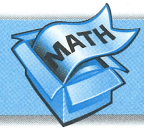


LESSON
6•7
Math Boxes

1. Simplify.

a. $\frac{4}{7}$ of 84 _____

b. $\frac{1}{20}$ of 35 _____

c. $\frac{8}{3}$ of $9\frac{3}{4}$ _____

d. $\frac{1}{3}$ of $\frac{51}{68}$ _____


2. Divide. Simplify if possible.

a. $\frac{7}{12} \div \frac{2}{5} =$ _____

b. $2\frac{5}{8} \div 3 =$ _____

c. $3 \div 6\frac{1}{4} =$ _____

d. $4\frac{1}{2} \div 2\frac{7}{10} =$ _____


3. Give a ballpark estimate for each quotient.

a. $137.8 \div 15$ _____

b. $248.19 \div 12$ _____

c. $4,507.08 \div 89.76$ _____

d. $0.6 \div 14.7$ _____


4. Complete each sentence using an algebraic expression.
a. If each bag of potatoes weighs at least p pounds, then 6 bags weigh at least _____ pounds.

b. Jack is 6 inches taller than Michael. If Jack is h inches tall, then Michael is _____ inches tall.

5. Which fraction is equivalent to 2.015? Choose the best answer.

$\frac{2,015}{10,000}$

$\frac{4,030}{20,000}$

$\frac{403}{200}$

$\frac{2,015}{100}$


6. You draw one card at random from a regular deck of 52 playing cards (no jokers). What is the chance of drawing:
a. a 4? _____

b. a card with a prime number? _____

c. a face card (jack, queen, or king)? _____

d. an even-numbered black card? _____
