

Key

Chapter Review/Test

Vocabulary

- ① Rounding can be used to ^{estimate} sums, differences, products and quotients.
- ② In $20 \div 5 = 4$, 20 is the ^{dividend} and 5 is the ^{divisor}.

dividend
divisor
per unit
estimate

Concepts and Skills

Multiply.

- ③ $3.7 \times 4 = 14.8$
- ④ $6.08 \times 9 = 54.72$
- ⑤ $8.562 \times 20 = 171.24$
- ⑥ $0.128 \times 300 = 38.4$
- ⑦ $2.6 \times 1,000 = 2,600$
- ⑧ $8.712 \times 9,000 = 78,408$

Complete.

- ⑨ $2.156 \times 100 = 215.6$
- ⑩ $670.5 \div 10 = 67.05$

Divide. Round each answer to the nearest tenth.

- ⑪ $1.35 \div 9 = 0.2$
- ⑫ $4.1 \div 5 = 0.8$

Divide.

- ⑬ $24.3 \div 30 = 0.81$
- ⑭ $1.6 \div 100 = 0.016$
- ⑮ $59 \div 500 = 0.118$
- ⑯ $318 \div 3,000 = 0.106$

Calculate. Then estimate to check if your answer is reasonable.

- (Solve)
- ⑰ $4.15 + 5.38 = 9.53$
- ⑱ $9.74 - 3.86 = 5.88$
- ⑲ $2.07 \times 9 = 18.63$
- ⑳ $22.18 \div 4 = 5.545$

Problem Solving

Solve. Estimate to check if your answer is reasonable.

- 21 A pitcher contains 4.32 pints of lemon syrup. 12.6 pints of water are added to the syrup to make lemonade. How much lemonade is made?

$$4.32 + 12.6 = 16.92 \text{ pints}$$

- 22 A ribbon is 12.3 feet long. Another ribbon is 3.12 feet shorter than it. What is the total length of the two ribbons?

$$12.3 - 3.12 = 9.18$$

$$12.3 + 9.18 = 21.48 \text{ ft}$$

- 23 A piece of wood is 1.75 meter long. A carpenter saws off 0.8 meter from it. Then he saws the remaining piece into 2 pieces of equal length. How long is each of the equal pieces?

$$1.75 - 0.8 = 0.95$$

$$0.95 \div 2 = .475 \text{ m}$$

- 24 A fifth-grade class painted pieces of cardboard for an art project. Each piece of cardboard had an area of 6.25 square inches. The students painted 200 pieces of cardboard each day.

- a What is the total area of cardboard that they have painted by the end of the third days? $200 \times 3 = 600$

$$600 \times 6.25 = 3,750 \text{ square inches}$$

- b At the end of the third day, the students glued together all their pieces of painted cardboard to form a large square mural. Then, they cut the mural into 40 strips of equal sizes so they could move the mural. What is the area of each smaller strip of cardboard? Express your answer as a decimal.

$$3750 \div 40 = 93.75 \text{ square inches}$$