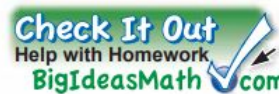


Name _____ Core _____ Date _____

2.6 Exercises



Vocabulary and Concept Check

1. **NUMBER SENSE** Fix the one that is not correct.

$$\begin{array}{r} 6.1 \\ 4 \overline{)24.4} \end{array}$$

$$\begin{array}{r} 61 \\ 4 \overline{)244} \end{array}$$

$$\begin{array}{r} 6.1 \\ 4 \overline{)2.44} \end{array}$$

Place the decimal point in the correct location.

2. $18.6 \div 4 = 465$

3. $6.38 \div 11 = 58$

4. $88.27 \div 7 = 1261$

Divide. Use estimation to check your answer.


Show your work on your grid.

18. $43.4 \div 7$ _____ Estimate: _____

20. $44.64 \div 8$ _____ Estimate: _____

ERROR ANALYSIS Describe and correct the error in finding the quotient.

24.


$$\begin{array}{r} 3.922 \\ 9 \overline{)28.008} \\ \underline{27} \\ 100 \\ \underline{81} \\ 198 \\ \underline{198} \\ 0 \end{array}$$

26. **TEXT MESSAGING** You send 40 text messages in one month. The total cost is \$4.80. How much does each text message cost?

ORDER OF OPERATIONS Evaluate the expression.

32. $35.25 \div 5 \div 3$ _____

34. **FRUIT PUNCH** Which pack of fruit punch is the best buy? Explain.



52. **SWIMMING** The table shows the top three times in a swimming event at the Summer Olympics. The event consists of a team of four women swimming 100 meters each.

Women's 4 × 100 Freestyle Relay		
Medal	Country	Time (seconds)
Gold	Australia	215.94
Silver	United States	216.39
Bronze	Netherlands	217.59

- a. Suppose the times of all four swimmers on each team were the same. For each team, how much time does it take a swimmer to swim 100 meters?
- _____
- b. Suppose each U.S. swimmer completed 100 meters a quarter second faster. Would the U.S. team have won the gold medal? Explain your reasoning.

58. PROBLEM SOLVING You are saving money to buy a new bicycle that costs \$155.75. You have \$30 and plan to save \$5 each week. Your aunt decides to give you an additional \$10 each week.

- a.** How many weeks will you have to save until you have enough money to buy the bicycle?

- b.** How many more weeks would you have to save to buy a new bicycle that costs \$203.89? Explain how you found your answer.
