1. Sandy had to make lemonade for a school picnic. She makes 15.5 gallons of lemonade. She must refill the container after filling 100 drink cups. How much lemonade was in each cup? (7-1)

   A 0.155 gallons

   B 1.55 gallons

   C 15.5 gallons

   D 155 gallons

2. Jason scored a total of 38.14 points in four events during the state gymnastic competition. If he had the same score for each event, what was his score for each event? (7-4)

   A 0.0953 points

   B 9.505 points

   C 9.535 points

   D 95.35 points

3. The table shows what Janice bought during her last trip to the grocery store. What is the cost of the dish soap per ounce? (7-6)

Items Purchased	Quantity	Total Price
Orange juice	13.5 ounces	$2.97
Dish soap	9.8 ounces	$4.41
Flour	3.25 pounds	$1.59

   A $0.045   **C** $4.45

   B $0.45   **D** $4.50

4. A restaurant bought 26 pounds of fish for $405.34. What was the price per pound of the fish? (7-4)

   A $1.559

   B $15.59

   C $155.90

   D $159.50

5. Consider 6.84 ÷ 0.32. Which of the following has the decimal placed in the correct location? (7-3)

   A 0.021375

   B 0.21375

   C 21.375

   D 213.75

6. How many quarters are there in twenty dollars? (7-5)

   A 8 quarters

   B 18 quarters

   C 80 quarters

   D 180 quarters

7. Which of the following is the best estimate of 56.6 ÷ 12? (7-2)

A 678   **C** 4

B 40   **D** 3

8. 3-Ring Binder Prices

1	$4.25
3	$11.97
5	$17.50
10	$32.50

How much would 10 students save if they each bought 10 binders as a group rather than individually? Show your work. (7-7)

10 binders × $4.25 = $42.50

$42.50 − $32.50 = $10.00

9. How do you estimate the answer for 2.61 ÷ 3.3? (7-2)

I use multiplication to estimate the answer. ___ × 3.3 = 2.61. I know that the quotient is less than 1. This is equivalent to dividing 33 into 26.1, which is just less than 0.8.

10. Jean runs 3.5 miles per week while Janell runs 13.3 miles per week. Janell runs how many times the number of miles that Jean runs? (7-6)

Janell runs 3.8 times the number of miles that Jean runs.

11. Cora is saving for college. The first year of tuition is $7,485.00. She has a year to save this amount of money. How much should she save per month so she can meet her goal? (7-4)

$7485 ÷ 12 = $623.75

12. To find the quotient of 3,468.9 ÷ 10^3, write the problem using standard form and solve. (7-1)

3,468.9 ÷ 1000 = 3.4689

Name _____

13. A developer owns 54 acres of land. If he plans to use 3.2 acres of the land for an entrance into a housing development and divide the remaining land into 1.2-acre lots, how many lots will he have? What is the hidden question for this problem? (7-7)

How much of the land is available to be divided into lots?

14. Fred says that the decimal point in the following problem belongs after the 1. Tell why you agree or disagree with Fred. (7-3)

$$103.95 \div 6.93 = 1.50$$

Using compatible numbers to estimate 100 divided by 6 is closer to 15 than 1. The answer is 15.0.

15. Kelly ran 26.8 miles over 4 days at the beach. She ran the same number of miles each day. How far did she run each day? (7-4)

$26.8 \div 4 =$

6.7 miles

16. Roz bought 32.5 yards of fabric to make pillows. Each pillow requires 1.5 yards of fabric. Use compatible numbers to estimate the number of pillows Roz can make. (7-2)

$32 \div 2 = 16$

17. Find $4.725 \div 15$
Is the work shown below the correct way to solve this problem? Explain why or why not. (7-3)

```
        3.15
   15)4.725
       4 5
       ───
        22
        15
       ───
        75
        75
       ───
         0
```

No, division should begin in the tenths place. The answer should be 0.315.