

**Vocabulary**

1. The **quotient** is the answer to a division problem.

$$\begin{array}{r} 5 \\ 60 \overline{) 300} \\ \underline{-300} \\ 0 \end{array}$$

In this division problem, 5 is the quotient.

2. Estimate  $363 \div 56$ .

$363 \div 56$  is about

360  $\div$  60 = 6.

The first digit of the quotient is in the ones place.

3. Find  $363 \div 56$ .

Try 6.

$$\begin{array}{r} 6 \\ 56 \overline{) 363} \\ \underline{-336} \\ 27 \end{array}$$

← Write 6 in the ones place.

$$\begin{array}{r} 3 \\ 56 \\ \times 6 \\ \hline 336 \end{array}$$

← Multiply  $56 \times 6$ .

← Subtract.

4. Compare the remainder to 56.

Since  $27 < 56$ , write the remainder in the quotient.

$363 \div 56 =$  6 R 27

5. Check your answer.

$$\begin{array}{r} 3 \\ 56 \\ \times 6 \\ \hline 336 \\ + 27 \\ \hline 363 \end{array}$$

← Add the remainder.

*Estimate*

$$\begin{array}{r} 242 \div 56 \\ \downarrow \\ 240 \div 60 = 4 \end{array}$$

$$\begin{array}{r} 2 \\ 56 \\ \times 4 \\ \hline 224 \end{array}$$

$$\begin{array}{r} 4 \text{ r } 18 \\ 56 \overline{) 242} \\ \underline{-224} \\ 18 \end{array}$$

**On the Back!**

6. Estimate and then find the quotient of  $242 \div 56$ . Use your estimate to check for reasonableness.

*Check*

$$\begin{array}{r} 2 \\ 56 \\ \times 4 \\ \hline 224 \\ + 18 \\ \hline 242 \end{array}$$

1. Which number is less than 0.725?

- A 0.726
- B 0.725
- C 0.724**
- D 0.824

2. A librarian has 883 books to shelf. Each shelf holds 98 books. How many books will be left after filling as many shelves as possible?

- A 1**
- B 9
- C 89
- D 97

$$\begin{array}{r} 9 \\ 98 \overline{) 883} \\ \underline{-882} \\ 1 \end{array}$$

3. The table shows the number of square feet painted by three house painters.

Painter	Square Feet Painted	Days Worked
Martin	719	2
Juan	825	3
Christy	836	3

If Christy painted the same number of square feet each day she worked, about how many square feet did she paint per day?

- A 260 square feet
- B 270 square feet
- C 280 square feet**
- D 290 square feet

$$\begin{array}{r} 200 \quad 80 \\ \times 3 \quad \times 3 \\ \hline 600 \quad 240 \end{array}$$

4. A store gets a delivery of 347 boxes. The manager puts 72 boxes in each of the store's warehouses and 59 boxes in the store's basement. How many warehouses does the store have?

$$\begin{array}{r} 213 \\ 347 \\ -59 \\ \hline 288 \\ \underline{4} \\ 288 \\ -288 \\ \hline 0 \end{array}$$

4 warehouses

5. Find each product.

$$\begin{aligned} 3 \times 10^1 &= 30 \\ 3 \times 10^2 &= 300 \\ 3 \times 10^3 &= 3000 \\ 3 \times 10^4 &= 30,000 \end{aligned}$$

6. Elena completed this division problem:

$$\begin{array}{r} 107 \text{ R}31 \\ 38 \overline{) 4,297} \\ \underline{38} \phantom{0} \\ 297 \\ \underline{266} \\ 31 \end{array}$$

$$\begin{array}{r} 113 \text{ r}3 \\ 38 \overline{) 4297} \\ \underline{38} \phantom{0} \\ 49 \\ \underline{-38} \\ 117 \end{array}$$

Explain the mistake Elena made and find the correct quotient.

She didn't subtract 38 hundreds from 42 hundreds correctly. It should be 4 instead of 2.

$$\begin{array}{r} 798 \\ \times 9 \\ \hline 882 \end{array}$$

$$\begin{array}{r} 836 \div 3 \\ \downarrow \\ \div 3 \end{array}$$

~~Handwritten scribbles and calculations.~~