

STUDY LINK
4•1

Uses of Division



Use multiplication and division facts to solve the following problems mentally.

Remember: Break the number into two or more friendly parts.



Example: How many 4s in 71?

Break 71 into smaller, friendly numbers. Here are two ways.

- ◆ 40 and 31. Ask yourself: *How many 4s in 40?* (10) *How many 4s in 31?* (7 and 3 left over) Think: *What multiplication fact for 4 has a product near 31?* ($4 * 7 = 28$)
Total = 17 and 3 left over.
- ◆ 20, 20, 20, and 11. Ask yourself: *How many 4s in 20?* (5) *How many 4s in three 20s?* (15) *How many 4s in 11?* (2 and 3 left over) Total = 17 and 3 left over.

So 71 divided by 4 equals 17 with 3 left over.

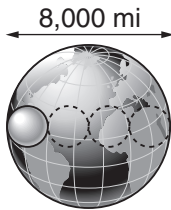
1. 57 divided by 3 equals _____.

(friendly parts for 57)

2. 96 divided by 8 equals _____.

(friendly parts for 96)

3. The diameter of Earth, about 8,000 miles, is about 4 times the diameter of the moon. What is the approximate diameter of the moon?



unit

4. The weight of an object on Earth is 6 times heavier than its weight on the moon. An object that weighs 30 lb on Earth weighs how many pounds on the moon?

unit

Practice

Solve. Then write the other problems in the fact families.

5. $1,803 - 925 =$ _____

6. $498 + 377 =$ _____
