

# Diagnostic Test

## Unit 2 Division

**Purpose:** to help the student and instructor determine what, if any, sections of this unit the student needs to study.

*Do all the math work neatly on the test itself. The instructor will pay as much attention to the work as the answers.*

1. What does “division” mean?
2. What word means “the answer to a division problem”?
3. What word means “the number you are dividing into”?
4. What does the symbol “÷” mean?
5. Do this division problem. If an answer does not come out evenly, give the remainder. After you have solved the problem, show how you would check your answer to see that it is correct.

$$27 \overline{)167}$$

6. Do this division problem. If an answer does not come out evenly, give the remainder.

$$54 \overline{)2,104}$$

7. Do the four division problems below. If an answer does not come out evenly, give the remainder.

a)  $5 \overline{)512}$

b)  $77 \overline{)462,617}$

c)  $321 \overline{)199,362}$

d)  $296 \overline{)1,097,568}$

8. Do the two division problems below.

a)  $0\overline{)59}$

b)  $41\overline{)0}$

9. One day I read a book for 2 hours in the morning and for 4 hours after lunch. I read 138 pages that day. What was my average number of pages per hour?

10. The players on a team weigh the following amounts (measured in pounds): 181, 126, 175, 150 and 163. What is the average weight?