

Checking Division

Facts:

1. To check a division problem, multiply the quotient by the divisor. The product should be the same as the dividend.
2. To check a division problem with a remainder, multiply the quotient by the divisor and **add** the remainder to the product. The sum should be the same as the dividend.

$$\begin{array}{r} 47 \text{ r. } 5 \\ 41 \overline{)1,932} \\ -164 \downarrow \\ \hline 292 \\ -287 \\ \hline 5 \end{array}$$

check

$$\begin{array}{r} 47 \\ \times 41 \\ \hline 47 \\ +188 \\ \hline 1927 \\ +5 \\ \hline 1,932 \checkmark \end{array}$$

Class Practice

2. Divide and check.

a. $23 \overline{)4,945}$

b. $54 \overline{)4,982}$

c. $91 \overline{)6,781}$

d. $72 \overline{)5,256}$

e. $80 \overline{)9,999}$

f. $34 \overline{)1,768}$

3. Average.

a. \$5.87
\$4.63
\$9.21
\$6.85

b. 83; 97; 88; 91; 84; 90; 90

8. Write these numbers using digits.

a. 16 billion, 278 million, 16 thousand, 321

b. 967 billion, 119 million, 432 thousand, 9

c. 3 million, 387

d. 14 billion, 326 million, 571 thousand, 11

5. Solve these story problems.

- a.** Mrs. Andrews traveled for 13 hours at the average speed of 59 miles per hour. How many miles did Mrs. Andrews travel?
- b.** The Bear Mountain Bridge in New York is 1,632 feet long. The Francis Scott Key Bridge in Maryland is 1,200 feet long. How many feet longer is the Bear Mountain Bridge than the Francis Scott Key Bridge?