

Using Multiplication to Check Division

NCTM Standards 1, 2, 6, 7, 8, 9, 10

- 1 Complete the table of multiples of 28.

×	1	2	3	4	5	6	7	8	9
28									

- 2 Divide, and then check the division with multiplication. Show all your work.

Check:

$$28 \overline{) 896}$$

These division problems were done on a calculator. Check the results by multiplying. If there was an error, please correct it.

3
$$\begin{array}{r} 44 \\ 28 \overline{) 1,232} \end{array}$$

Check:

Is the quotient correct? _____

If not, what is the correct quotient?

4
$$\begin{array}{r} 164 \\ 28 \overline{) 2,912} \end{array}$$

Check:

Is the quotient correct? _____

If not, what is the correct quotient?

Divide and check. Use the table of multiples on LAB page 161, if you wish.

5

Check:

$$28 \overline{) 2,380}$$

6

Check:

$$28 \overline{) 6,804}$$

7 Challenge The division record shows a quotient with a remainder. Check the division.

Check:

$$\begin{array}{r} 56 \overline{) 2,215} \\ - 1,680 \\ \hline 535 \\ - 504 \\ \hline 31 \end{array}$$