

Algebra: Mental Math:
Patterns in Multiples of 10**Different Ways to Multiply Multiples by 10****Multiply. $7 \times 4,000 = n$** **Use a pattern.**

$7 \times 4 = 28$

$7 \times 40 = 280$

$7 \times 400 = 2,800$

$7 \times 4,000 = 28,000$

Use mental math.

$7 \times 4,000 = 7 \times 4 \times 1,000$

$= 28 \times 1,000$

$= 28,000$

Use a pattern or mental math to find each product. *show tick marks*

1.
$$\begin{array}{r} 70 \\ \times 8 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 600 \\ \times 9 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 4,000 \\ \times 7 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 9,000 \\ \times 5 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 30 \\ \times 80 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 500 \\ \times 70 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 900 \\ \times 90 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 6,000 \\ \times 80 \\ \hline \end{array}$$

Multiply. *on Grid Paper → expanded form*

9. 37×60

10. 55×80

11. 728×30

12. 641×70

13. 398×20

14. 566×50

15. 813×40

16. 435×60

Problem Solving

17. Ed and his brother are participating in a bike-a-thon for charity. They will each bike 40 miles a day for 15 days. How far will they bike altogether?

Show Your Work
