

ADVANCED MULTIPLICATION LEVEL 23

LESSON 23

TACK ON TRAILING ZEROS



Here's a trick for multiplying in your head.
Look at the zeros. What's the pattern?

$$5 \times 30 = 5 \times 3 \text{ tens} = 15 \times 10 = 150$$

$$7 \times 400 = 7 \times 4 \text{ hundreds} = 28 \times 100 = 2800$$

$$6 \times 3000 = 6 \times 3 \text{ thousands} = 18 \times 1000 = 18,000$$

When one number has trailing zeros . . .



1. Cut off the trailing zeros.

2. Multiply the remaining numbers.



3. Tack the trailing zeros onto your answer.

Here's how a
mental-math
pro thinks . . .

$$9 \times 5000$$

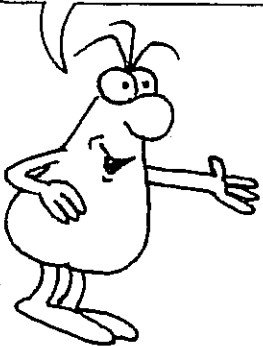
$$9 \times 5 \boxed{000}$$

$$45, \boxed{000}$$



TRY THESE IN YOUR HEAD.

Tack on the right number of zeros.



1. 5×30

2. 60×4

3. 8×800

4. 9×40

5. 2×4000

6. 12×200

7. 8×70

8. 7×700

9. 200×13

10. 3000×8