

# Multiplying Ones by Tens and Hundreds

## Lesson 4-1

DATE \_\_\_\_\_

TIME \_\_\_\_\_



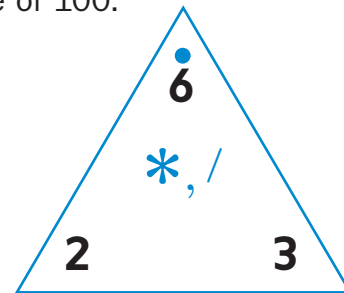
Write a multiplication fact for each Fact Triangle. Then extend the fact by changing the first factor, first to a multiple of 10 and then to a multiple of 100.

### Example:

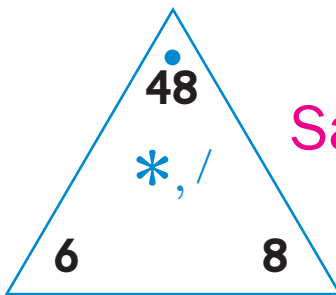
Original fact:  $2 * 3 = 6$

Extended fact (by tens):  $20 * 3 = \underline{60}$

Extended fact (by hundreds):  $200 * 3 = \underline{600}$



1

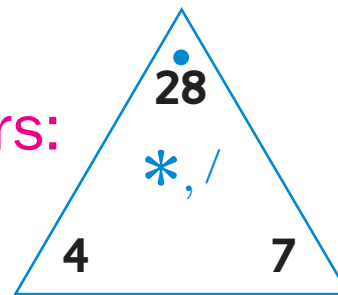


Original fact:  $6 * 8 = 48$

Extended fact:  $60 * 8 = 480$

Extended fact:  $600 * 8 = 4,800$

2



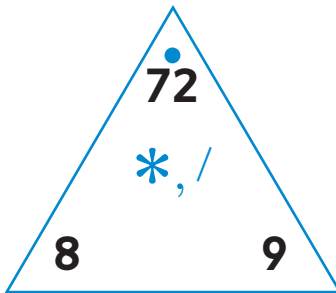
Original fact:  $4 * 7 = 28$

Extended fact:  $40 * 7 = 280$

Extended fact:  $400 * 7 = \underline{2,800}$

Sample answers:

3



Original fact:  $8 * 9 = 72$

Extended fact:  $80 * 9 = 720$

Extended fact:  $800 * 9 = 7,200$

4

What rule can you use to multiply ones by tens, such as  $30 * 6$ ?

Sample answer: Use the original fact  $3 * 6 = 18$ .

Then attach one zero onto the end of the product.

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What rule can you use to multiply ones by hundreds, such as  $300 * 6$ ?

Sample answer: Use the original fact  $3 * 6 = 18$ . Then attach two zeros onto the end of the product.