

Multiplying Tens by Tens

Lesson 4-1

DATE

TIME

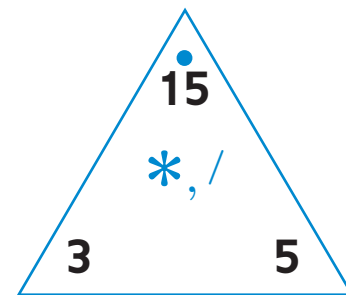


You can extend a multiplication fact by making both factors multiples of 10.

Example:

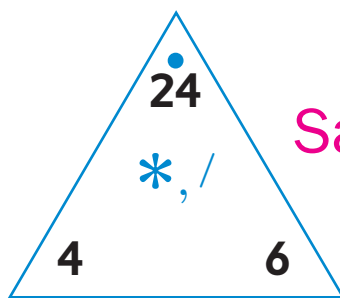
Original fact: $3 * 5 = 15$

Extended fact: $30 * 50 = \underline{1,500}$



Write a multiplication fact for each Fact Triangle shown below. Then extend this fact by changing both factors to multiples of 10.

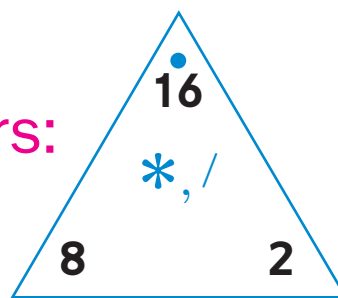
1



Original fact: $4 * 6 = 24$

Extended fact: $40 * 60 = 2,400$

2

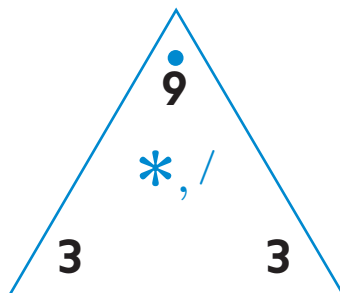


Original fact: $8 * 2 = 16$

Extended fact: $80 * 20 = \underline{1,600}$

Sample answers:

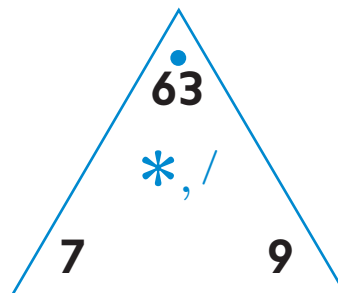
3



Original fact: $3 * 3 = 9$

Extended fact: $30 * 30 = 900$

4



Original fact: $7 * 9 = 63$

Extended fact: $70 * 90 = \underline{6,300}$

5

What rule can you use to multiply tens by tens, such as $40 * 60$?

Sample answer: Solve the basic fact:

$4 * 6 = 24$. Then attach two zeros to the answer: $40 * 60 = 2,400$.