LESSON MAKER PRO

Tens in Action

Multiply groups of tens.

GRADE 3 · 3.NBT.A.12

3.NBT.A.12 "Use concrete materials and pictorial models based on place value and properties of operations to find the product of a one-digit whole number by a multiple of ten (from 10 to 90)."

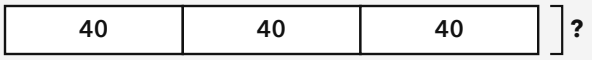
NAME _____ DATE _____

THINK IN TENS

A multiple of ten is made of tens. Multiply the number of tens, then write the value of those tens.

WORKED EXAMPLE

Find 3 x 40.



1. 40 is 4 tens.
2. 3 x 4 tens = 12 tens.
3. 12 tens = 120.

Answer: 3 x 40 = 120

PRACTICE 4 problems

1 2 x 70 = ___

ANSWER _____

2 4 x 20 = ___

ANSWER _____

3 5 x 30 = ___ tens = ___

ANSWER _____

_____

4 8 x 90 = ___

ANSWER _____

APPLY IT Show your work

1 A craft club has 6 packs of 50 stickers. How many stickers does it have?

WORK SPACE

ANSWER _____

2 At a school game, 9 teams each earn 70 tickets. How many tickets do they earn in all?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Mina says 7 x 80 is 56 because 7 x 8 = 56. Find the correct product. Explain Mina's mistake using tens.

WORK SPACE AND ANSWER

ANSWER KEY

Tens in Action

GRADE 3 · 3.NBT.A.12

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	2 x 70 = ___	**140**
2	4 x 20 = ___	**80**
3	5 x 30 = ___ tens = ___	**15 tens; 150**
4	8 x 90 = ___	**720**

PART 2 · APPLY IT

1. **300 stickers** 6 x 5 tens = 30 tens, or 300 stickers.
2. **630 tickets** 9 x 7 tens = 63 tens, or 630 tickets.

CHALLENGE

560. Since 80 is 8 tens, 7 x 80 is 56 tens, or 560. Mina treated 80 as 8.

Accept equations or words that correctly show the number of tens. For the challenge, the explanation must distinguish 56 tens from 56 ones.