LESSON MAKER PRO

Tens Times More

Multiply whole numbers by multiples of ten.

GRADE 4 · 4.NOS.B.4

4.NOS.B.4 "Extend place value understanding and basic facts to multiply a multi-digit whole number by a multiple of ten."

NAME _____ DATE _____

MULTIPLY, THEN SHIFT

A multiple of ten can be written as a number times 10. First multiply by that number, then multiply the result by 10.

WORKED EXAMPLE

34 x 70 = ____

1. 70 = 7 x 10.
2. 34 x 7 = 238.
3. 238 x 10 = 2,380.

Answer: 2,380

PRACTICE 6 problems

1 23 x 30 = ___

ANSWER _____

2 46 x 20 = ___

ANSWER _____

3 57 x 40 = ___

ANSWER _____

4 108 x 50 = ___

ANSWER _____

5 236 x 60 = ___

ANSWER _____

6 125 x 80 = ___

ANSWER _____

APPLY IT Show your work

1 A school orders 30 boxes of colored pencils. Each box holds 48 pencils. How many colored pencils does the school order?

WORK SPACE

ANSWER _____

2 A video game gives you 115 coins for each quest you finish. You finish 60 quests. How many coins do you earn?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A student says 204 x 90 = 1,836 because 204 x 9 = 1,836. Explain the mistake and find the correct product.

WORK SPACE AND ANSWER

ANSWER KEY

Tens Times More

GRADE 4 · 4.NOS.B.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	23 x 30 = ___	**690**
2	46 x 20 = ___	**920**
3	57 x 40 = ___	**2,280**
4	108 x 50 = ___	**5,400**
5	236 x 60 = ___	**14,160**
6	125 x 80 = ___	**10,000**

PART 2 · APPLY IT

1. **1,440 colored pencils** 48 x 3 = 144, then 144 x 10 = 1,440.
2. **6,900 coins** 115 x 6 = 690, then 690 x 10 = 6,900.

CHALLENGE

The student multiplied by 9 instead of 90. Since 90 is 9 x 10, the correct product is 18,360.

Accept answers with or without commas. For the challenge, accept any explanation that shows the student must multiply 1,836 by 10.