LESSON MAKER PRO

Multiply Smart

Use place value and related facts to solve.

GRADE 3 · 3.CE.2.c

3.CE.2.c "Apply strategies (e.g., place value, the properties of multiplication and/or addition) when multiplying and dividing whole numbers."

NAME _____ DATE _____

BREAK IT APART

Break a two-digit number into tens and ones. Multiply each part by the same factor, then add the partial products. For division, use a related multiplication fact to check your answer.

WORKED EXAMPLE

Use place value: 14 x 5

1. Break 14 into 10 + 4.
2. Multiply: 10 x 5 = 50 and 4 x 5 = 20.
3. Add: 50 + 20 = 70.

Answer: 70

PRACTICE 6 problems

1 13 x 4 = ___

ANSWER _____

2 18 x 2 = ___

ANSWER _____

3 42 / 6 = ___

ANSWER _____

4 56 / 7 = ___

ANSWER _____

5 9 x 7 = ___

ANSWER _____

6 81 / 9 = ___

ANSWER _____

APPLY IT Show your work

1 A game club puts 6 trading cards in each pack. They fill 8 packs. How many trading cards do they pack?

WORK SPACE

ANSWER _____

2 Mia has 72 beads. She uses all the beads to make 9 equal bracelets. How many beads are on each bracelet?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A team earns 24 points in each of 7 rounds. How many points does the team earn altogether? Use place value and show the partial products.

_____

_____

ANSWER KEY

Multiply Smart

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	13 x 4 = ___	**52**
2	18 x 2 = ___	**36**
3	42 / 6 = ___	**7**
4	56 / 7 = ___	**8**
5	9 x 7 = ___	**63**
6	81 / 9 = ___	**9**

PART 2 · APPLY IT

1. **48 trading cards** Multiply the cards in each pack by the number of packs: 6 x 8 = 48.
2. **8 beads** Divide the total number of beads by the number of bracelets: 72 / 9 = 8.

CHALLENGE

168 points

Accept correct answers shown with any valid multiplication or division strategy. For the challenge, accept partial products of 140 and 28, with a total of 168.