LESSON MAKER PRO

Fact Finder

Use facts you know to find new products.

GRADE 3 · 3.OA.C.7

3.OA.C.7 "Use strategies based on properties and patterns of multiplication to demonstrate fluency with multiplication and division within 100. a. Fluently determine all products obtained by multiplying two one-digit numbers. b..."

NAME _____ DATE _____

DOUBLE A FACT

A multiplication fact you know can help you find another fact. When you double one factor and keep the other factor the same, double the product.

WORKED EXAMPLE

Find 4 x 8.

1. Start with a fact you know: 2 x 8 = 16.
2. 4 is double 2, so double 16.
3. 16 + 16 = 32.

Answer: 4 x 8 = 32

PRACTICE 6 problems

1 3 x 5 = ___

ANSWER _____

2 5 x 7 = ___

ANSWER _____

3 9 x 3 = ___

ANSWER _____

4 6 x 6 = ___

ANSWER _____

5 7 x 3 = ___

ANSWER _____

6 5 x 9 = ___

ANSWER _____

APPLY IT Show your work

1 Mia has 7 sheets of stickers. Each sheet has 7 stickers. How many stickers does Mia have?

WORK SPACE

ANSWER _____

2 A team earns 6 points in each round of a game. After 9 rounds, how many points has the team earned?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use 7 x 3 and 7 x 6 to find 7 x 9. Write the product and explain how the facts help.

WORK SPACE AND ANSWER

ANSWER KEY

Fact Finder

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	3 x 5 = ___	**15**
2	5 x 7 = ___	**35**
3	9 x 3 = ___	**27**
4	6 x 6 = ___	**36**
5	7 x 3 = ___	**21**
6	5 x 9 = ___	**45**

PART 2 · APPLY IT

1. **49 stickers** Multiply 7 x 7 to get 49.
2. **54 points** Multiply 9 x 6 to get 54.

CHALLENGE

63. Since 3 + 6 = 9, add 7 x 3 and 7 x 6: 21 + 42 = 63.

For the challenge, accept any correct explanation that combines the products of 7 x 3 and 7 x 6 to find 7 x 9.