LESSON MAKER PRO

Fact Finder Missions

Use facts you know to find facts you need.

GRADE 3 · 3.OA.7

3.OA.7 "Fluently multiply and divide with factors from 1 to 10 using mental strategies. By end of Grade 3, know automatically all products of one-digit factors based on strategies."

NAME _____ DATE _____

BREAK APART A FACT

You can break a multiplication fact into smaller facts you know. Multiply each part, then add the products. To divide, think of a matching multiplication fact.

WORKED EXAMPLE

Find 6 x 7.

1. Break 6 into 5 + 1.
2. 5 x 7 = 35 and 1 x 7 = 7.
3. 35 + 7 = 42.

Answer: 42

PRACTICE 6 problems

1 Find 9 x 3.

ANSWER _____

2 Find 4 x 5.

ANSWER _____

3 Find 30 / 10.

ANSWER _____

4 Find 8 x 2.

ANSWER _____

5 Find 36 / 9.

ANSWER _____

6 Find 1 x 10.

ANSWER _____

APPLY IT Show your work

1 Three friends each get 8 game cards. How many cards do they get in all?

WORK SPACE

ANSWER _____

2 A club shares 40 stickers equally among 5 kids. How many stickers does each kid get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Find 9 x 8. Explain how 10 x 8 helps you.

WORK SPACE AND ANSWER

ANSWER KEY

Fact Finder Missions

GRADE 3 · 3.OA.7

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 9 x 3.	**27**
2	Find 4 x 5.	**20**
3	Find 30 / 10.	**3**
4	Find 8 x 2.	**16**
5	Find 36 / 9.	**4**
6	Find 1 x 10.	**10**

PART 2 · APPLY IT

1. **24 cards** Multiply 3 x 8 = 24.
2. **8 stickers** Divide 40 / 5 = 8, since 5 x 8 = 40.

CHALLENGE

9 x 8 = 72. Since 10 x 8 = 80, take away one group of 8: 80 - 8 = 72.

For the challenge, accept any correct explanation that uses 10 x 8 and takes away 8.