LESSON MAKER PRO

Fact Finder

Use facts you know to find new ones.

GRADE 3 · 3.NOS.E.9

3.NOS.E.9 "Recall or quickly derive multiplication and division facts within 100 (e.g., factors less than or equal to 10 and quotients less than or equal to 10). Skip count (2s, 5s, 10s) and apply properties of operations (0s..."

NAME _____ DATE _____

BUILD A FACT

Use a fact you know to find a fact you do not know yet. You can skip-count by 2s, 5s, or 10s, double a smaller fact, or split a factor into parts. For division, think of the multiplication fact that gives the total.

WORKED EXAMPLE

Find 6 × 9 by doubling a fact you know.

1. Half of 6 is 3, so start with 3 × 9 = 27.
2. Double 27: 27 + 27 = 54.

Answer: 6 × 9 = 54

PRACTICE 6 problems

1 Find 4 × 3.

ANSWER _____

2 Find 7 × 5.

ANSWER _____

3 Find 8 × 4.

ANSWER _____

4 Find both facts: 0 × 10 = ___ and 1 × 10 = ___.

ANSWER _____

_____

5 Find 24 ÷ 3.

ANSWER _____

6 Find 35 ÷ 5.

ANSWER _____

APPLY IT Show your work

1 At a school fair, 8 teams make 7 paper crowns each. How many paper crowns do they make in all?

WORK SPACE

ANSWER _____

2 A game club shares 40 cards equally among 5 players. How many cards does each player get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Find 7 × 7. Explain how 5 × 7 and 2 × 7 help you.

WORK SPACE AND ANSWER

Fact Finder

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 4 × 3.	**12**
2	Find 7 × 5.	**35**
3	Find 8 × 4.	**32**
4	Find both facts: 0 × 10 = ___ and 1 × 10 = ___.	**0 × 10 = 0; 1 × 10 = 10**
5	Find 24 ÷ 3.	**8**
6	Find 35 ÷ 5.	**7**

PART 2 · APPLY IT

1. **56 paper crowns** Multiply 8 × 7 = 56.
2. **8 cards** Since 5 × 8 = 40, each player gets 8 cards.

CHALLENGE

49. Since 5 × 7 = 35 and 2 × 7 = 14, adding 35 and 14 gives 49.

Accept any correct mental-fact strategy, including skip-counting, doubling, splitting a factor, or using a related multiplication fact for division.