

Fact Family Flash

Use multiplication facts and matching division facts.

GRADE 3 • TEKS 3.4.F

3.4.F "recall facts to multiply up to 10 by 10 with automaticity and recall the corresponding division facts;"

NAME _____

DATE _____

CONNECTED FACTS

Multiplication finds the total in equal groups. Division uses the same numbers to split a total into equal groups or find how many groups there are. Use a fact you know to recall its matching division fact.

WORKED EXAMPLE

Use 7×8 to write related division facts.

1. 7 groups of 8 make 56.

2. $7 \times 8 = 56$.

3. $56 \div 7 = 8$ and $56 \div 8 = 7$.

Answer: $7 \times 8 = 56$; $56 \div 7 = 8$; $56 \div 8 = 7$

PRACTICE 6 problems

1 $3 \times 9 = \underline{\quad}$

ANSWER _____

2 $54 \div 6 = \underline{\quad}$

ANSWER _____

3 $4 \times 10 = \underline{\quad}$

ANSWER _____

4 $25 \div 5 = \underline{\quad}$

ANSWER _____

5 $9 \times 9 = \underline{\quad}$

ANSWER _____

6 $18 \div 2 = \underline{\quad}$

ANSWER _____

APPLY IT Show your work

- 1** At game club, there are 5 tables with 9 game cards on each table. How many game cards are there?

WORK SPACE

ANSWER _____

- 2** A snack club puts 40 pretzels equally into 10 bags. How many pretzels go in each bag?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Eli says that $5 \times 6 = 35$. Is Eli correct? Explain how you know.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$3 \times 9 = \underline{\quad}$	27
2	$54 \div 6 = \underline{\quad}$	9
3	$4 \times 10 = \underline{\quad}$	40
4	$25 \div 5 = \underline{\quad}$	5
5	$9 \times 9 = \underline{\quad}$	81
6	$18 \div 2 = \underline{\quad}$	9

PART 2 • APPLY IT

1. **45 game cards** Multiply the 5 equal groups of 9 cards. $5 \times 9 = 45$.
2. **4 pretzels** Divide 40 pretzels into 10 equal bags. $40 \div 10 = 4$.

CHALLENGE

No. $5 \times 6 = 30$ because 5 groups of 6 make 30, not 35.

Accept correct equations with or without units for the word problems. For the challenge, accept any explanation that correctly shows or states that 5×6 equals 30.