ALBERT

Name _____ Date _____

Fact Families Worksheet

Grade 3 · Common Core 3.OA.B.6

> Understand division as an unknown-factor problem.

Practice

Builds the skill step by step.

1. To find 32 ÷ 8, think: 8 × □ = 32. What number goes in the box?

2. Find 18 ÷ 6. Think: 6 times what number makes 18?

3. Which multiplication fact helps you find 35 ÷ 5?

   A. 5 + 30 = 35

   B. 3 × 5 = 15

   C. 35 − 5 = 30

   D. 5 × 7 = 35

4. 4 × 9 = 36, so 36 ÷ 4 = □. What number goes in the box?

5. 2, 8 and 16 make a fact family. Find 16 ÷ 2.

6. Which fact is NOT in the fact family for 3, 7 and 21?

   A. $3 + 7 = 10$

   B. $3 \times 7 = 21$

   C. $21 \div 7 = 3$

   D. $21 \div 3 = 7$

7. $\square \times 5 = 45$. Use this to find $45 \div 5$.

8. Find $24 \div 3$. Think: 3 times what number makes 24?

9. $6 \times 5 = 30$. Write a division fact from the same fact family that starts with $30 \div 6$.

10. Find $14 \div 2$.

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On Level

Grade-level practice.

1. 4 × 6 = 24 and 6 × 4 = 24. Use them to fill in the two division facts from the same fact family: 24 ÷ 4 = □ and 24 ÷ 6 = □. Give the first box, then the second.

2. Find 63 ÷ 9 by thinking of a multiplication fact.

3. Kim needs to find 48 ÷ 6. Which question should she ask herself?

   A. What is 48 times 6?

   B. 6 times what number makes 48?

   C. What is 48 minus 6?

   D. 6 plus what number makes 48?

4. Find 56 ÷ 7.

5. Find the unknown number: □ ÷ 8 = 9

6. Which number completes the fact family with 5 and 9?

   A. 4

   B. 14

   C. 45

   D. 54

7. 7 × 9 = 63. What is 63 ÷ 7?

8. A teacher puts 42 markers equally on 6 tables. She thinks: 6 × ? = 42. How many markers go on each table?

9. Which three numbers make a fact family?

   A. 7, 11, 81

   B. 9, 9, 81

   C. 8, 10, 81

   D. 9, 8, 81

10. Mia says 36 ÷ 4 = 8 because 4 × 8 = 36. Check her multiplication. What is 36 ÷ 4?

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Challenge

Multi-step and word problems that stretch it.

1. □ ÷ 6 = 7 and 7 × 6 = △. What numbers are □ and △?

2. A number times 8 is 64. What is that same number divided by 2?

3. Which shows 54 ÷ 9 as an unknown-factor problem?

   A. 9 + □ = 54

   B. 54 × 9 = □

   C. □ − 9 = 54

   D. 9 × □ = 54

4. Bo has 30 stickers. He puts them in rows of 5. He thinks: □ × 5 = 30. How many rows does he make?

5. The same number goes in both boxes: 72 ÷ □ = 8 and □ × 8 = 72. What is the number?

6. Jen thinks $45 \div 5 = 8$. What is the correct answer, and why?

   A. 9, because $5 \times 9 = 45$

   B. 8, because $5 \times 8 = 45$

   C. 9, because $45 - 5 = 40$

   D. 40, because $5 \times 8 = 40$

7. Two numbers multiply to make 32. One of the numbers is 4. What is the other number?

8. A fact family uses only two different numbers: 7 and 49. What number is used twice?

9. 24 students make teams of 4. Then 1 more student joins each team. How many students are there now?

10. $8 \times \square = 56$ and $56 \div 8 = \triangle$. What is $\triangle$?