Division and Multiplication Relationship

Grade 3 Math Worksheet - Challenge Me

Name _____ Date _____

Circle the answer, or write the answer on the line.

1. A fact family has 6 × 9 = 54, 9 × 6 = 54 and 54 ÷ 6 = 9. Which fact is missing?

   54 ÷ 9 = 6 54 ÷ 9 = 5 54 ÷ 9 = 7 54 ÷ 6 = 9

2. Which equation has the same unknown as 7 × __ = 63?

   63 ÷ 7 = __ 63 − 7 = __ 63 × 7 = __ 7 ÷ 63 = __

3. Find the missing number: __ × 7 = 56.

   _____

4. Find the missing number: 64 ÷ __ = 8.

   _____

5. Most fact families have four facts. Which numbers make a family with only two facts?

   6, 8 and 48 8, 8 and 64 7, 9 and 63 6, 7 and 42

6. Find the missing number: 48 = 6 × __.

   _____

7. Which three numbers make a fact family?

   7, 8 and 56 7, 9 and 56 6, 8 and 42 7, 8 and 54

8. This array has 7 rows of leaves. Which two division facts does it show?



48 ÷ 8 = 6 and 48 ÷ 6 = 8

42 ÷ 7 = 5 and 42 ÷ 5 = 7

42 ÷ 7 = 6 and 42 ÷ 6 = 7

42 ÷ 7 = 6 and 42 ÷ 6 = 8

9. Why is 63 ÷ 7 = 9 true?

9 groups of 8 make 63

63 take away 7 is 9

7 groups of 9 make 63

7 groups of 8 make 63

10. Jo knows 8 × 9 = 72. Which pair of problems can she solve with it?

64 ÷ 8 and 72 ÷ 9

72 ÷ 6 and 72 ÷ 9

72 ÷ 8 and 72 ÷ 9

72 ÷ 8 and 81 ÷ 9

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Answer Key - Grade 3 Math Worksheet - Challenge Me

Circle the answer, or write the answer on the line.

1. A fact family has 6 × 9 = 54, 9 × 6 = 54 and 54 ÷ 6 = 9. Which fact is missing?

   54 ÷ 9 = 6 (circled) 54 ÷ 9 = 5 54 ÷ 9 = 7 54 ÷ 6 = 9

2. Which equation has the same unknown as 7 × __ = 63?

   63 ÷ 7 = __ (circled) 63 − 7 = __ 63 × 7 = __ 7 ÷ 63 = __

3. Find the missing number: __ × 7 = 56.

   8

4. Find the missing number: 64 ÷ __ = 8.

   8

5. Most fact families have four facts. Which numbers make a family with only two facts?

   6, 8 and 48 8, 8 and 64 (circled) 7, 9 and 63 6, 7 and 42

6. Find the missing number: 48 = 6 × __.

   8

7. Which three numbers make a fact family?

   7, 8 and 56 (circled) 7, 9 and 56 6, 8 and 42 7, 8 and 54

8. This array has 7 rows of leaves. Which two division facts does it show?



48 ÷ 8 = 6 and 48 ÷ 6 = 8

42 ÷ 7 = 5 and 42 ÷ 5 = 7

42 ÷ 7 = 6 and 42 ÷ 6 = 7

42 ÷ 7 = 6 and 42 ÷ 6 = 8

9. Why is 63 ÷ 7 = 9 true?

9 groups of 8 make 63

63 take away 7 is 9

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7 groups of 8 make 63

10. Jo knows 8 × 9 = 72. Which pair of problems can she solve with it?

64 ÷ 8 and 72 ÷ 9

72 ÷ 6 and 72 ÷ 9

72 ÷ 8 and 72 ÷ 9

72 ÷ 8 and 81 ÷ 9