Division and Multiplication Relationship

Grade 3 Math Worksheet - Challenge Me

Name _____ Date _____

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

1. Which three numbers make a fact family?

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

2. Why is 63 ÷ 7 = 9 true?

   7 groups of 8 make 63 63 take away 7 is 9

   9 groups of 8 make 63 7 groups of 9 make 63

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

   _____

4. Rosa has 36 beads. Each bracelet uses 6 beads. Which equation finds the number of bracelets?

   __ × 6 = 36 36 × 6 = __ __ ÷ 6 = 36 36 − 6 = __

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

   _____

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



   42 ÷ 7 = 6 and 42 ÷ 6 = 8 42 ÷ 7 = 5 and 42 ÷ 5 = 7 48 ÷ 8 = 6 and 48 ÷ 6 = 8

   42 ÷ 7 = 6 and 42 ÷ 6 = 7

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

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

8. Leo says 56 ÷ 8 = 6. Which reason shows he is wrong?

8 groups of 7 make 63, not 56

8 groups of 6 make 54, not 56

6 groups of 9 make 56, not 54

8 groups of 6 make 48, not 56

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

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

10. Mo has 6 bags with 9 marbles in each. He shares all the marbles equally among 9 friends. How many does each friend get?

_____

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Answer Key - Grade 3 Math Worksheet - Challenge Me

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

1. Which three numbers make a fact family?

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

2. Why is 63 ÷ 7 = 9 true?

   7 groups of 8 make 63 | 63 take away 7 is 9

   9 groups of 8 make 63 | **7 groups of 9 make 63**

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

   8

4. Rosa has 36 beads. Each bracelet uses 6 beads. Which equation finds the number of bracelets?

   __ × 6 = 36 | 36 × 6 = __ | __ ÷ 6 = 36 | 36 − 6 = __

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

   8

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



   42 ÷ 7 = 6 and 42 ÷ 6 = 8 | 42 ÷ 7 = 5 and 42 ÷ 5 = 7 | 48 ÷ 8 = 6 and 48 ÷ 6 = 8

   42 ÷ 7 = 6 and 42 ÷ 6 = 7

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

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

8. Leo says 56 ÷ 8 = 6. Which reason shows he is wrong?

8 groups of 7 make 63, not 56

8 groups of 6 make 54, not 56

6 groups of 9 make 56, not 54

8 groups of 6 make 48, not 56

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

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

10. Mo has 6 bags with 9 marbles in each. He shares all the marbles equally among 9 friends. How many does each friend get?

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