Division and Multiplication Relationship

Grade 3 Math Worksheet - Challenge Me

Name _____ Date _____

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

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

_____

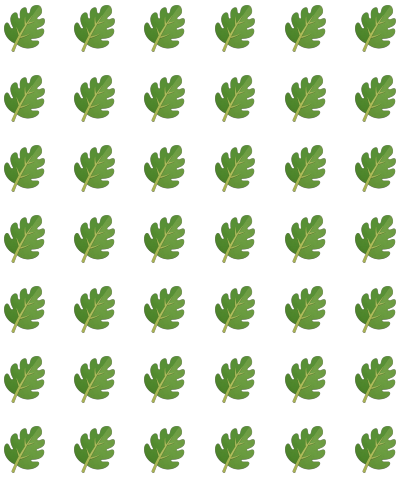
2. Which three numbers make a fact family?

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

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

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

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



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

42 ÷ 7 = 6 and 42 ÷ 6 = 8

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

_____

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

_____

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

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

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

72 ÷ 8 and 72 ÷ 9 64 ÷ 8 and 72 ÷ 9 72 ÷ 6 and 72 ÷ 9 72 ÷ 8 and 81 ÷ 9

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

8 groups of 6 make 48, not 56

6 groups of 9 make 56, not 54

8 groups of 6 make 54, not 56

8 groups of 7 make 63, not 56

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

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

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Answer Key - Grade 3 Math Worksheet - Challenge Me

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

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

6

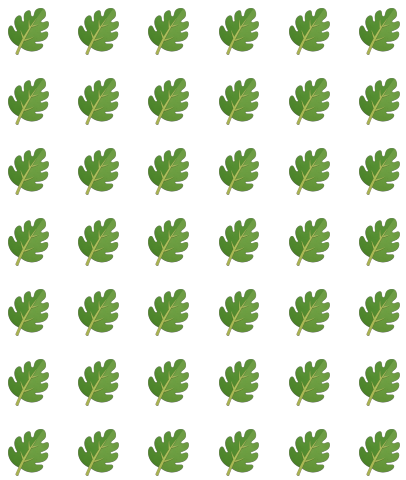
2. Which three numbers make a fact family?

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

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

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

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



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

42 ÷ 7 = 6 and 42 ÷ 6 = 8

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

8

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

8

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

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

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

72 ÷ 8 and 72 ÷ 9 | 64 ÷ 8 and 72 ÷ 9 | 72 ÷ 6 and 72 ÷ 9 | 72 ÷ 8 and 81 ÷ 9

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

8 groups of 6 make 48, not 56

6 groups of 9 make 56, not 54

8 groups of 6 make 54, not 56

8 groups of 7 make 63, not 56

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

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