Name: _____ Date: _____

Fractions as Division

Grade 5 | Interpreting a fraction as division and solving sharing problems | Version 10 of 10

A fraction is a division: 3 ÷ 4 = 3/4. When the top number is bigger, also write a mixed number: 7 ÷ 2 = 7/2 = 3 1/2.

Part A: Write each quotient as a fraction. Write a mixed number too if it is greater than 1.

1. 16 ÷ 9 = _____
2. 1 ÷ 9 = _____
3. 15 ÷ 7 = _____
4. 5 ÷ 7 = _____
5. 2 ÷ 7 = _____
6. 15 ÷ 2 = _____
7. 2 ÷ 3 = _____
8. 17 ÷ 8 = _____

Part B: Solve. Write the answer as a fraction or mixed number.

9. 3 friends share 8 pizzas equally. How much does each get? _____
10. 3 hikers share 2 sandwiches equally. How much does each get? _____
11. 8 plants share 3 liters of water equally. How much does each get? _____
12. 5 plants share 3 liters of water equally. How much does each get? _____

Fractions as Division - ANSWER KEY

Grade 5 | Interpreting a fraction as division and solving sharing problems | Version 10 of 10

A fraction is a division: 3 ÷ 4 = 3/4. When the top number is bigger, also write a mixed number: 7 ÷ 2 = 7/2 = 3 1/2.

Part A: Write each quotient as a fraction. Write a mixed number too if it is greater than 1.

1. 16 ÷ 9 = **16/9 = 1 7/9**
2. 1 ÷ 9 = **1/9**
3. 15 ÷ 7 = **15/7 = 2 1/7**
4. 5 ÷ 7 = **5/7**
5. 2 ÷ 7 = **2/7**
6. 15 ÷ 2 = **15/2 = 7 1/2**
7. 2 ÷ 3 = **2/3**
8. 17 ÷ 8 = **17/8 = 2 1/8**

Part B: Solve. Write the answer as a fraction or mixed number.

9. 3 friends share 8 pizzas equally. How much does each get? **2 2/3 pizzas**
10. 3 hikers share 2 sandwiches equally. How much does each get? **2/3 of a sandwich**
11. 8 plants share 3 liters of water equally. How much does each get? **3/8 of a liter**
12. 5 plants share 3 liters of water equally. How much does each get? **3/5 of a liter**