ALBERT

Name _____ Date _____

Division as Equal Sharing Worksheet

Grade 3 · Common Core 3.OA.A.2

> Interpret whole-number quotients of whole numbers, e.g., interpret 56 ÷ 8 as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each.

Practice

Builds the skill step by step.

1. 12 cookies are shared equally by 3 friends. How many cookies does each friend get?

2. Mr. Kim has 20 pencils. He puts 5 pencils in each cup. How many cups does he fill?

3. 18 stickers are shared equally among 6 kids. Which division matches this story?

   A. 18 ÷ 6

   B. 18 × 6

   C. 18 − 6

   D. 6 ÷ 18

4. Find 15 ÷ 3. Think: 15 apples go into 3 bags with the same number in each bag. How many apples are in each bag?

5. What can 10 ÷ 2 mean?

   A. 10 groups with 2 things in each

   B. 10 things shared equally into 2 groups

   C. 2 things shared equally into 10 groups

   D. 10 things and then 2 more

6. There are 16 wheels in the bike rack. Each bike has 2 wheels. How many bikes are there?

7. A teacher puts 21 students into 3 equal teams. How many students are on each team?

8. Which story matches 28 ÷ 4 = 7?

   A. There are 28 crackers, and 4 more are added.

   B. There are 4 plates with 28 crackers on each plate.

   C. There are 28 crackers, and 4 of them are eaten.

   D. 28 crackers are put equally on 4 plates. There are 7 crackers on each plate.

9. Divide: 30 ÷ 5 = ___

10. 35 crayons are put into boxes with 5 crayons in each box. Write a division equation that shows how many boxes are filled.

ALBERT

Name _____ Date _____

Division as Equal Sharing Worksheet

Grade 3 · Common Core 3.OA.A.2

On Level

Grade-level practice.

1. A coach has 32 balls. She puts the same number of balls in each of 4 bins. How many balls are in each bin?

2. A ribbon is 24 inches long. Kai cuts it into pieces that are each 6 inches long. How many pieces does he get?

3. Which story can be shown by 56 ÷ 8?

   A. 56 marbles are put into bags of 8. How many bags are there?

   B. There are 8 bags with 56 marbles in each bag. How many marbles are there?

   C. There are 56 marbles, and 8 more are added. How many are there now?

   D. There are 56 marbles, and 8 are lost. How many are left?

4. Nina has 45 photos. She puts 9 photos on each page of an album. How many pages does she fill?

5. A pan of 36 brownies is shared equally by 6 families. How many brownies does each family get?

6. In 48 ÷ 6 = 8, 48 things are put into 6 equal groups. What does the 8 tell you?

   A. how many are left over

   B. how many groups there are

   C. how many things there are in all

   D. how many are in each group

7. Three friends share 27 dollars equally. How much money does each friend get?

8. 40 cards are shared equally among 5 players. Write a division equation for the story and solve it.

9. Which one is NOT a way to think about 63 ÷ 7?

   A. 7 groups with 63 things in each group

   B. 63 things put into 7 equal groups

   C. 63 things put into groups of 7

   D. how many 7s make 63

10. A pitcher holds 18 cups of lemonade. Each glass holds 2 cups. How many glasses can be filled?

ALBERT

Name _____ Date _____

Division as Equal Sharing Worksheet

Grade 3 · Common Core 3.OA.A.2

Challenge

Multi-step and word problems that stretch it.

1. Ms. Ruiz puts 42 markers equally into 7 cups. Then she takes 2 markers out of each cup. How many markers are in each cup now?

2. Tara puts 35 beads equally on 5 strings. Jon puts 32 beads equally on 4 strings. How many more beads are on each of Jon's strings than on each of Tara's strings?

3. Which story is solved with 24 ÷ 6?

   A. There are 24 baskets with 6 apples in each basket.

   B. 24 kids each get 6 apples.

   C. 24 apples are shared equally by 6 kids.

   D. There are 6 bags with 24 apples in each bag.

4. Some students share 36 crayons equally. Each student gets 4 crayons. How many students are there?

5. Ms. Patel has 50 stickers. She keeps 2 stickers and shares the rest equally among 8 students. How many stickers does each student get?

6. Dev says $18 \div 3 = 15$ because $18 - 3 = 15$. Which tells his mistake and the correct answer?

   A. Dev should add. The answer is 21.

   B. Dev is correct. The answer is 15.

   C. Dev should multiply. The answer is 54.

   D. Dev subtracted, but he should divide. The answer is 6.

7. A board is 40 inches long. It is cut into 5 pieces that are all the same length. How long is each piece?

8. A teacher has 4 boxes with 8 markers in each box. She shares all of the markers equally among 8 tables. How many markers does each table get?

9. Ruth shares 12 grapes. Each person gets 3 grapes. Which equation shows how many people get grapes?

   A. $12 \div 3 = 4$

   B. $12 - 3 = 9$

   C. $12 \times 3 = 36$

   D. $12 + 3 = 15$

10. Mom makes 24 pancakes. She puts 3 pancakes on each plate. Two of the plates are for adults, and the rest are for kids. How many plates are for kids?