ALBERT

Name _____ Date _____

Multiplication as Equal Groups Worksheet

Grade 3 · Common Core 3.OA.A.1

> Interpret products of whole numbers, e.g., interpret 5 × 7 as the total number of objects in 5 groups of 7 objects each.

Practice

Builds the skill step by step.

1. There are 4 bags. Each bag has 5 apples. How many apples are there in all?

2. Which multiplication matches 3 groups of 6?

   A. 3 × 6

   B. 3 + 6

   C. 9 × 6

   D. 6 − 3

3. 5 + 5 + 5 + 5 is the same as ___ × 5. What number goes in the blank?

4. The picture shows an array of squares. How many squares are there in all?



5. Which addition is the same as 2×8?

   A. $2 + 8$

   B. $2 + 2$

   C. $8 + 8$

   D. $8 + 8 + 8$

6. A spider has 8 legs. How many legs do 3 spiders have?

7. Jada has 6 boxes with 4 crayons in each box. Which shows how many crayons she has?

   A. 6×4

   B. $6 + 4$

   C. $6 - 4$

   D. 4×4

8. Write a multiplication equation for 7 groups of 2. Put the number of groups first.

9. There are 5 tables in the art room. Each table has 3 chairs. How many chairs are there?

10. In $6 \times 9 = 54$, the 6 means 6 groups. What does the 9 tell you?

    A. the total

    B. how many are left over

    C. the number of groups

    D. the number in each group

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On Level

Grade-level practice.

1. A pack has 6 juice boxes. Mr. Ortiz buys 7 packs for the class picnic. How many juice boxes does he buy?

2. Which story matches 4 × 9?

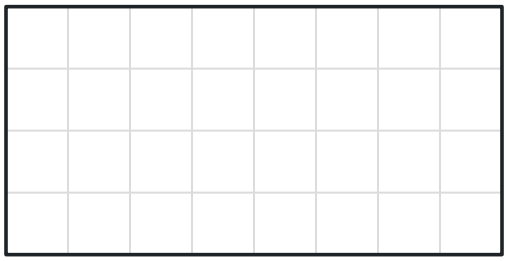
   A. There are 4 vans and 9 drivers.

   B. There are 4 students in a van, and 9 more get in.

   C. There are 4 vans with 9 students in each van.

   D. There are 9 students, and 4 of them get out of the van.

3. Write a multiplication equation for this array. Put the number of rows first, and find the total.



4. Leo puts 9 stickers on each page of his sticker book. He fills 5 pages. How many stickers does he use?

5. Which has the same total as 3 groups of 8?

   A. 4 groups of 5

   B. 8 groups of 8

   C. 3 groups of 5

   D. 8 groups of 3

6. A garden has 6 rows of tomato plants. There are 6 plants in each row. How many tomato plants are in the garden?

7. Write a short story problem that 5 × 7 could solve. Say how many groups there are, how many are in each group, and the total.

8. Ava reads 4 pages every night for 8 nights. How many pages does she read?

9. Which equation shows 7 groups of 3?

   A. 7 × 3 = 21

   B. 7 + 3 = 10

   C. 7 × 3 = 24

   D. 3 × 3 = 9

10. Sam says 6 × 3 is the same as 6 + 3. Which is true?

    A. Sam is wrong. 6 × 3 means 6 groups of 3, which is 18.

    B. Sam is right. Both equal 9.

    C. Sam is wrong. 6 × 3 equals 63.

    D. Sam is right. Both equal 18.

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Challenge

Multi-step and word problems that stretch it.

1. A bakery puts 6 muffins in each box. Ms. Diaz buys 4 boxes, and her friend buys 3 boxes. How many muffins do they buy in all?

2. Which one does NOT equal 4 × 6?

   A. 6 + 6 + 6 + 6

   B. 4 + 6

   C. 4 + 4 + 4 + 4 + 4 + 4

   D. 6 × 4

3. Mia has 5 bags with 8 beads in each bag. Ty has 8 bags with 5 beads in each bag. How many beads does each of them have?

4. The picture shows rows of chairs set up for a school show. Then 2 more rows with the same number of chairs are added. How many chairs are there now?



5. Rosa has 3 vases with 5 flowers in each vase. She wants to fill 4 vases with 5 flowers each. How many more flowers does she need?

6. Which situation can be shown by 8 × 4?

   A. 8 players and 4 coaches

   B. a team of 8 players, and then 4 more join

   C. 8 teams with 4 players on each team

   D. 8 players who split into 4 teams

7. Find the missing number: 7 groups of 4 has the same total as ___ groups of 7.

8. Lina says 5 groups of 6 is 11 because 5 + 6 = 11. Which tells her mistake and the correct total?

   A. She should subtract. The total is 1.

   B. She is correct. The total is 11.

   C. She added, but she should multiply. The total is 30.

   D. She added, but she should multiply. The total is 56.

9. A parking lot has 4 rows with 9 cars in each row. Then 6 cars leave. How many cars are left?

10. In the lunchroom, 2 tables have 6 students each and 3 tables have 4 students each. How many students are at the tables?