bananalearn

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Multiplication word problems with models

Practice worksheet - Maths · Grade 3

Name: _____ Date: _____

Show your working. Answers and explanations follow on a separate page.

Try each task before opening its answer. Give an example or reason, not only a label.

Write an answer and your reason before opening the explanation. Check the reasoning as well as the final answer.

1. Six bags contain four apples each. Find the total.

2. Eight boxes contain three crayons each. How many crayons altogether?

3. There are seven rows of five chairs. How many chairs?

4. Sam has five cards. Lee has twice as many. How many cards does Lee have?

5. Sam has five cards. Lee has two more. How many cards does Lee have?

6. Three packs contain eight stickers each. Four are given away. How many stickers remain?

7. What unit belongs to 4 trays × 6 muffins per tray?

8. Check 6 × 9 using tens.

Practice continued

9. Can 3, 5 and 7 be described as three equal groups of five without rearranging?

10. Write a story for 4 × 7.

11. Four equal packs contain 28 pens. How many per pack?

12. Why are 4 × 6 and 6 × 4 equal but their tray pictures different?

13. Five cups and six plates: how many items altogether?

14. Three empty trays each contain zero muffins. How many muffins altogether?

Answers and explanations

Answer key - Maths · Grade 3

Multiplication word problems with models

1. 24 apples.

6 × 4 = 24.

2. 24 crayons.

8 × 3 = 24.

3. 35 chairs.

Multiply rows by chairs per row.

4. 10 cards.

Twice as many means two groups of five.

5. 7 cards.

More by two describes addition.

6. 20 stickers remain.

3 × 8 = 24; 24 − 4 = 20.

7. Muffins.

The product counts the objects on the trays.

8. 60 − 6 = 54.

Take one away from each of six groups of ten.

9. No.

The original groups have different sizes.

10. For example: Four shelves hold seven books each; there are 28 books.

Other equal-group stories are valid.

11. 7 pens.

28 ÷ 4 = 7; check 4 × 7.

12. They have the same total with different groupings.

The factors can be exchanged without changing the product.

13. 11 items.

Combine two amounts with addition.

14. 0 muffins.

3 × 0 = 0.