One-step Multiplication Problems Using Strip Diagrams
Independent Practice Worksheet

Name: _____   Date: _____ / _____ / _____

Instruction

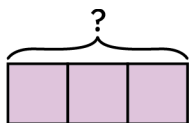Let's use a strip diagram to help solve this multiplication problem.

> Sarah has 3 bags of apples. Each bag has 7 apples.
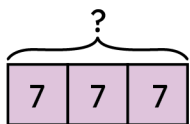> How many apples does she have all together?

There are 3 bags of 7 apples, which means there are 3 equal groups of 7. So, multiply 3 times 7 to find the total.
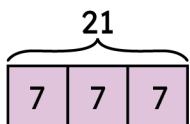
$$3 \times 7 = ?$$

To show the 3 groups using a strip diagram, draw a rectangle, or strip, for each group.

Since each group has 7 apples in it, write a 7 in each part.

Add 7 three times to get the total amount, 7 + 7 + 7 = 21.

So, 3 × 7 = 21.
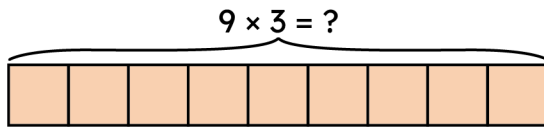Sarah has **21 apples** all together.

Practice

1. Tom puts some stickers on his folder. He places the stickers in 9 equal rows with 3 stickers in each row.

   How many stickers does Tom put on his folder?

   There are 9 equal groups of 3, so multiply 9 times 3 to find the total.

   Complete this strip diagram to model 9 × 3.

   $$9 \times 3 = ?$$

   Tom puts _____ stickers on his folder.

2. Maria buys 6 packs of pencils. Each pack has 12 pencils.

   How many pencils did Maria buy in total?

   Use this strip diagram to help find the total.

   Maria buys _____ pencils.

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3. Alex separates his baseball cards into equal piles. He has 8 piles with 9 cards in each pile.

How many baseball cards does he have in all?

Draw a strip diagram to find the total.

Alex has _____ baseball cards.

4. Mrs. Arno has 15 boxes of crayons. Each box contains 5 crayons.

How many crayons does Mrs. Arno have all together?

Draw a strip diagram to find the total.

Mrs. Arno has _____ crayons all together.