

Multiplying to Find Combinations

Roy needs to choose one mark and one shape to make a sign. Show the possible combinations by filling in the array.

1.

Mark			
Shape			

, _____	, _____	_____ ,
_____ ,	, _____	, _____
, _____	_____ ,	, _____

How many different combinations of one mark and one shape are there?

For **2** and **3**, find the number of possible combinations. Use objects, pictures, or multiplication.

2. Choose one of 5 kinds of juice and one of 3 glass sizes.

3. Choose one of 7 shirts and one of 3 pairs of pants.

4. **Reason** June has 1 coat and 7 scarves. How many combinations of a coat and a scarf does she have?

5. Ross has 3 ties and 4 shirts. How many possible combinations of a tie and a shirt does he have?

A 3

B 4

C 12

D 21

6. Carl has one kind of bread, crunchy peanut butter and smooth peanut butter, and different flavors of jelly. What information do you need to find the number of possible combinations of peanut butter and jelly sandwiches he can make?
