

Solving Problems

In Focus

Use either  or  for .

Use either ,  or  for .

How many different ways are there to colour the teddy bear's outfit?




Draw out the teddy bears, colour the trousers in red or blue and the tops in red, green or purple. How many different outfits can the bear have?

What strategy could you use to solve the problem?


Let's Learn



There are 2 ways to colour the .

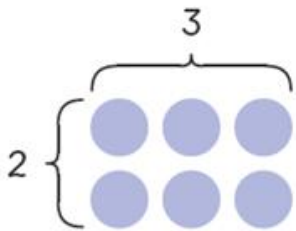




There are 3 ways to colour the .



There are 6 different ways in all.



$$2 \times 3 = 6$$

Guided Practice

- 1 Pick a fruit and a pastry.



Use the same strategy as you used in the 'Let's learn' to solve the guided practice.

How many different ways are there to pick a fruit and a pastry?

Name: _____ Class: _____ Date: _____

Worksheet 15

Solving Problems

Solve.

- 1 At the cafeteria, the following food and drinks are sold: sandwiches, omelettes, salad, milk, hot chocolate and orange juice.
How many ways are there to pick a food and a drink for breakfast?

| MENU | |
|----------|---------------|
| Food | Drinks |
| Sandwich | Milk |
| Omelette | Hot Chocolate |
| Salad | Orange Juice |

$$\boxed{} \times \boxed{} = \boxed{}$$

There are $\boxed{}$ ways to pick a food and drink for breakfast.

- 2 4 boys and 4 girls are asked to form groups of two for a class activity.
There must be a boy and a girl in each group.
How many ways can the pupils form their groups of two?

$$\boxed{} \times \boxed{} = \boxed{}$$

The pupils have $\boxed{}$ ways to form their groups of two.



TITLE: Can you solve word problems using a bar model?

At the shop they sell 4 types of drinks; cola, coffee, tea and cocoa. They sell 5 types of sandwich; Tuna, cheese, egg, ham and tomato. How many combinations of food a drink can you get from the café? Use a bar model to help you.

Name: _____ Class: _____ Date: _____

Worksheet 15

Solving Problems

Solve.

- 1 At the cafeteria, the following food and drinks are sold: sandwiches, omelettes, salad, milk, hot chocolate and orange juice. How many ways are there to pick a food and a drink for breakfast?

| MENU | |
|----------|---------------|
| Food | Drinks |
| Sandwich | Milk |
| Omelette | Hot Chocolate |
| Salad | Orange Juice |

$$\boxed{3} \times \boxed{3} = \boxed{9}$$

There are $\boxed{9}$ ways to pick a food and drink for breakfast.

- 2 4 boys and 4 girls are asked to form groups of two for a class activity. There must be a boy and a girl in each group. How many ways can the pupils form their groups of two?

$$\boxed{4} \times \boxed{4} = \boxed{16}$$

The pupils have $\boxed{16}$ ways to form their groups of two.

