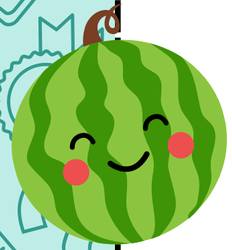


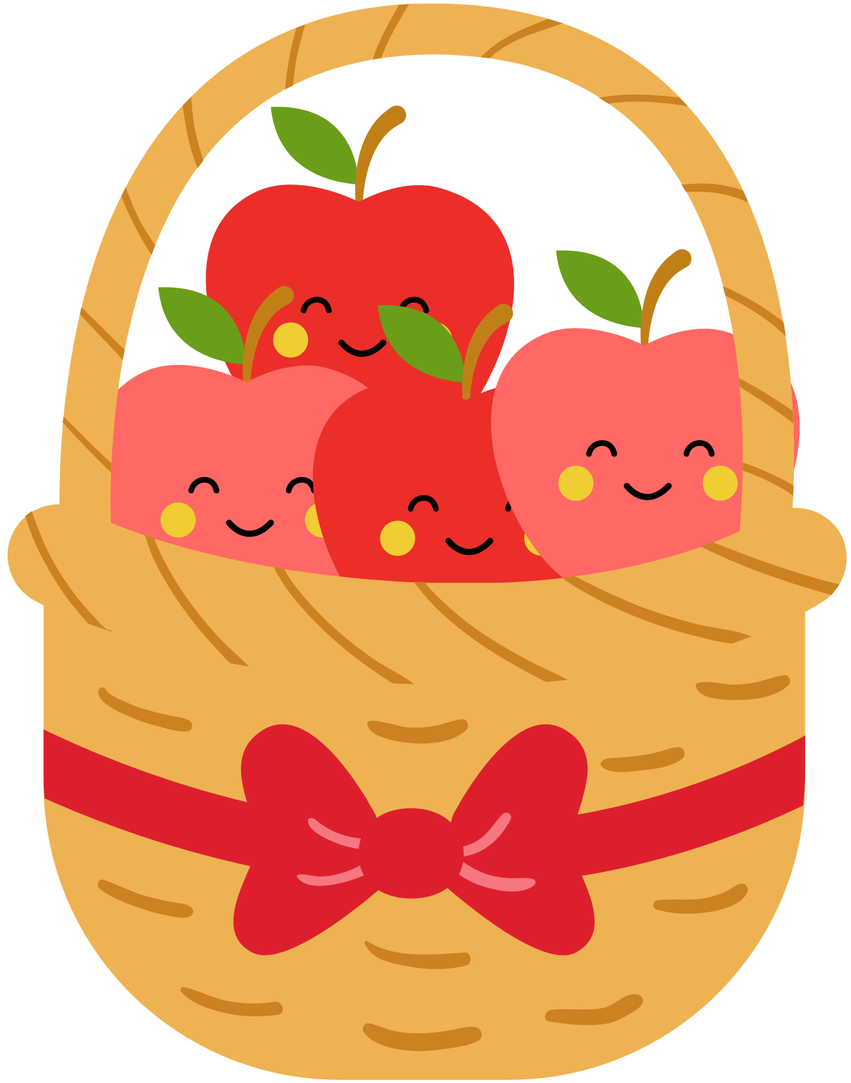
3RD GRADE
MATH LESSON
Multiplication Equal Groups

LEARNING OBJECTIVE

I can understand and use multiplication to count equal groups and find the total number of objects easily.

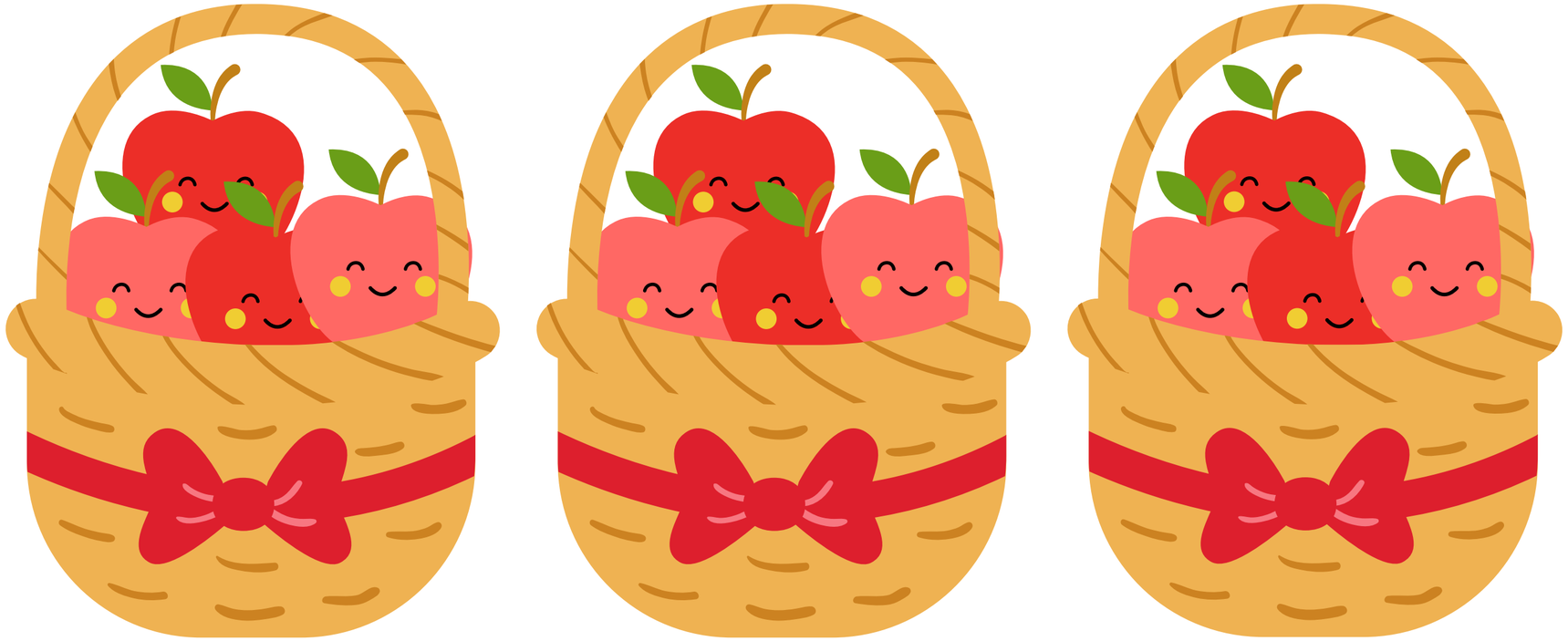
EXPLORE

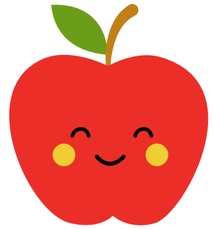
If I have 3 baskets, and I want to put 4 apples into each basket, how many apples will I need?



EXPLORE WORKSPACE

If I have 3 baskets, and I want to put 4 apples into each basket, how many apples will I need?

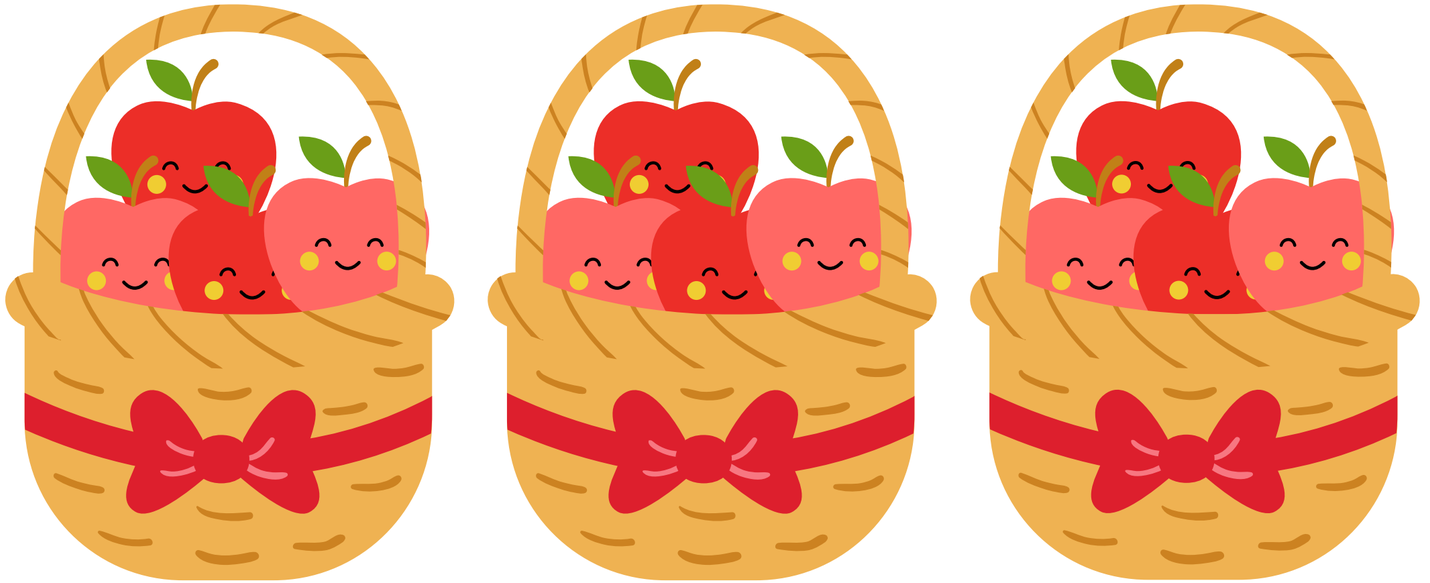




I will need
12 apples.

EXPLORE WORKSPACE

$$\underset{\text{groups}}{3} \times \underset{\text{apples}}{4} = \underset{\text{apples}}{12}$$



LEARN

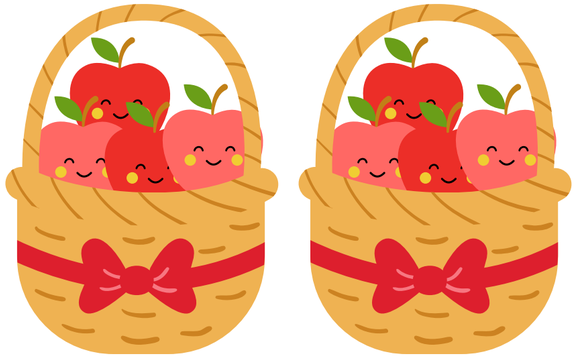
What is Multiplication as Equal Groups?

- **Equal groups** mean that each group contains the same number of items.
- **Multiplication** means making more of something. When you multiply, you increase a number in a special way—by joining equal groups.

EXAMPLES

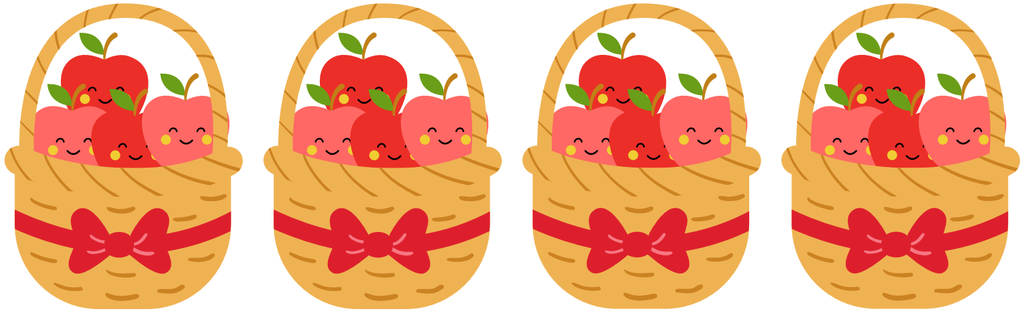
2 groups of 4 apples will give you 8 apples total.

$$\underset{\text{groups}}{2} \times \underset{\text{apples}}{4} = \underset{\text{apples}}{8}$$



4 groups of 4 apples will give you 16 apples total.

$$\underset{\text{groups}}{4} \times \underset{\text{apples}}{4} = \underset{\text{apples}}{16}$$



QUICK CHECK

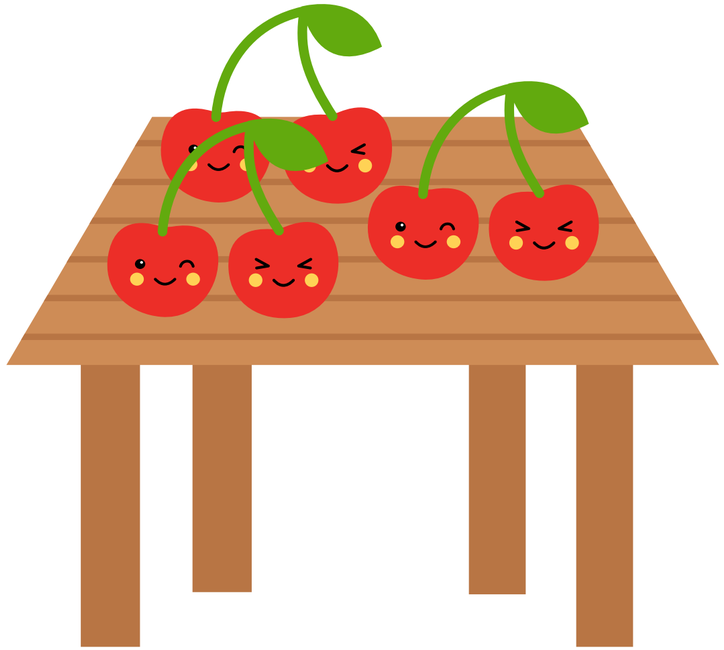
You are going to see example of groups.

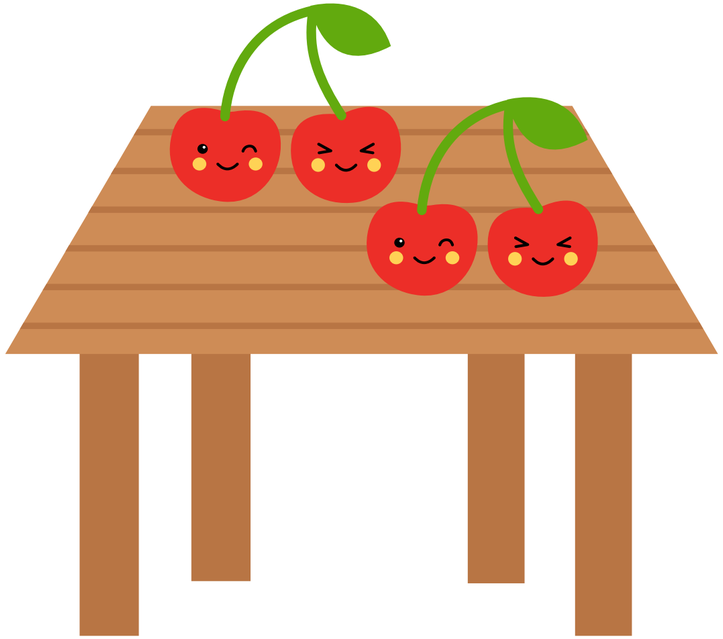
Thumbs up if they are equal groups.

Thumbs down if they are not equal groups.

QUICK CHECK

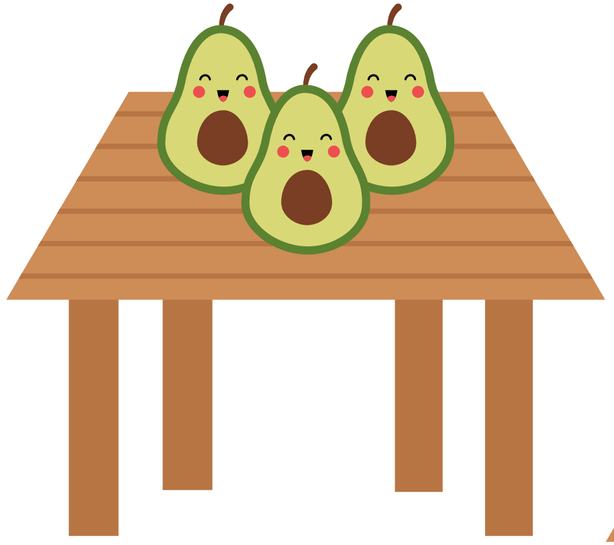
Are these equal groups?

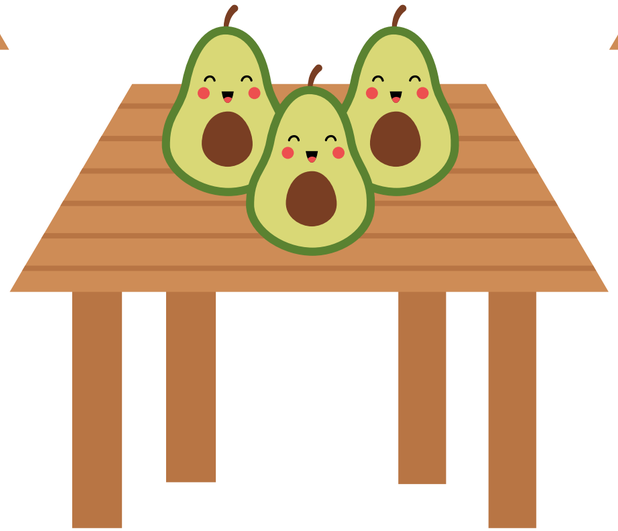


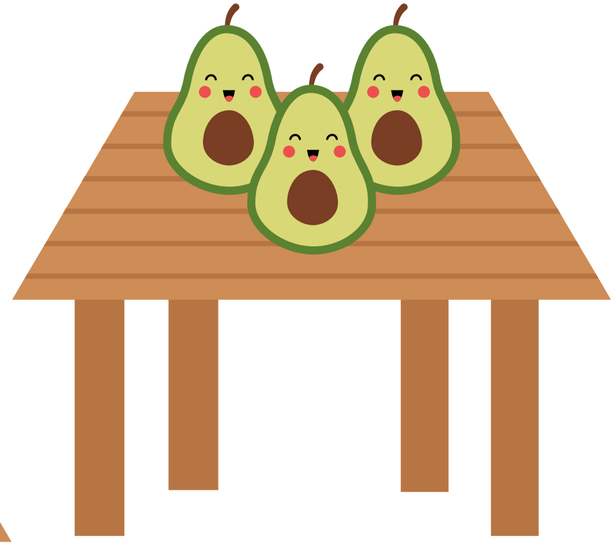


QUICK CHECK

Are these equal groups?

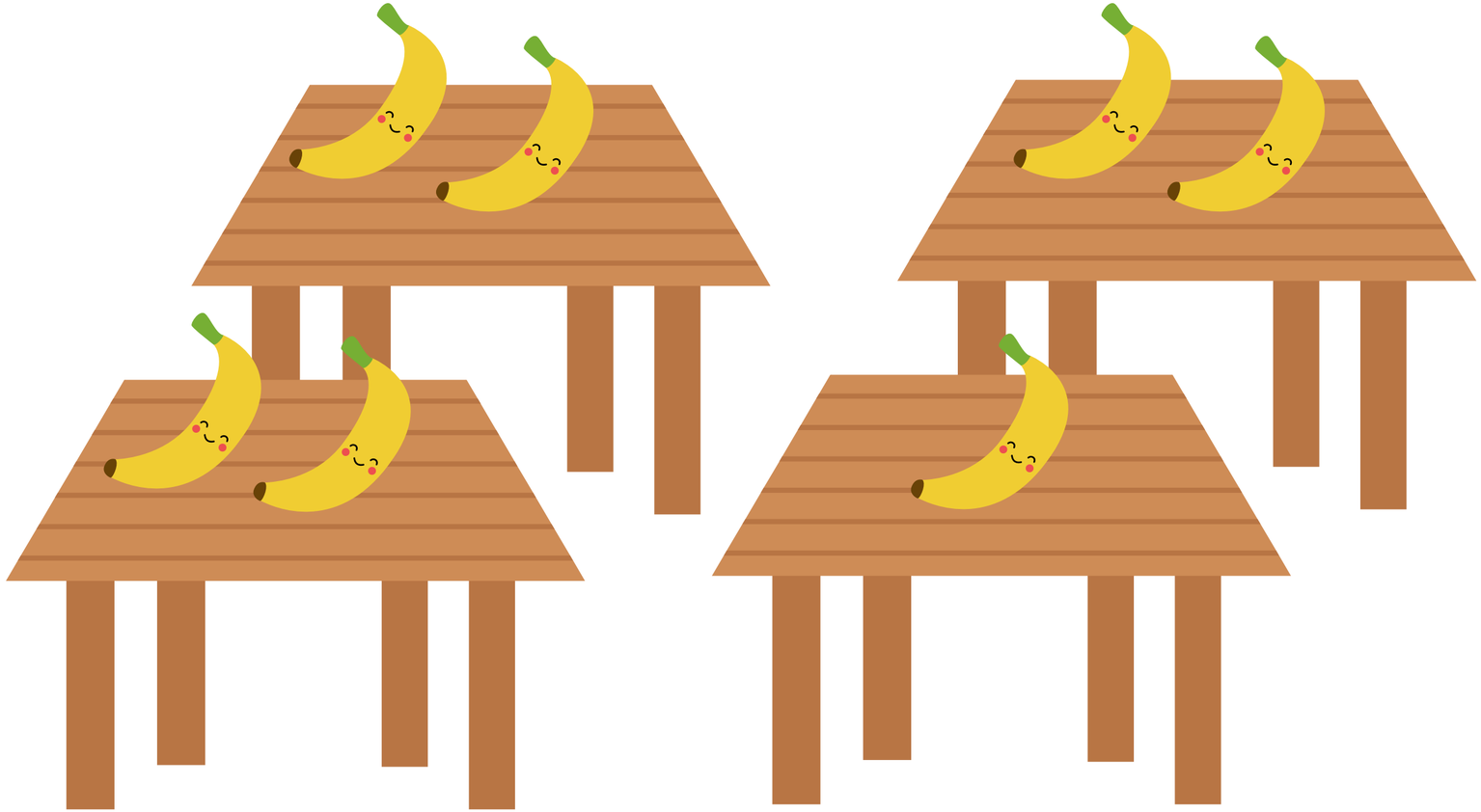






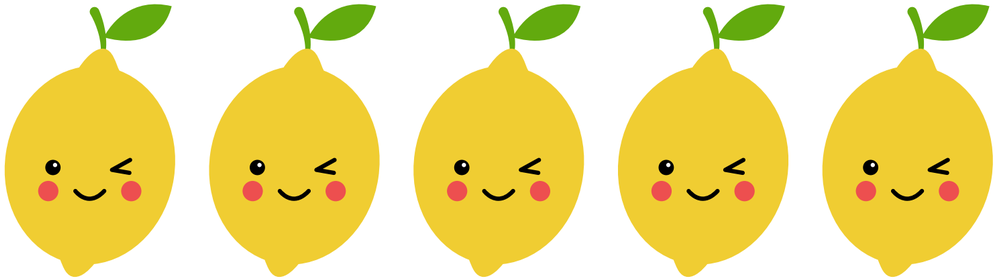
QUICK CHECK

Are these equal groups?



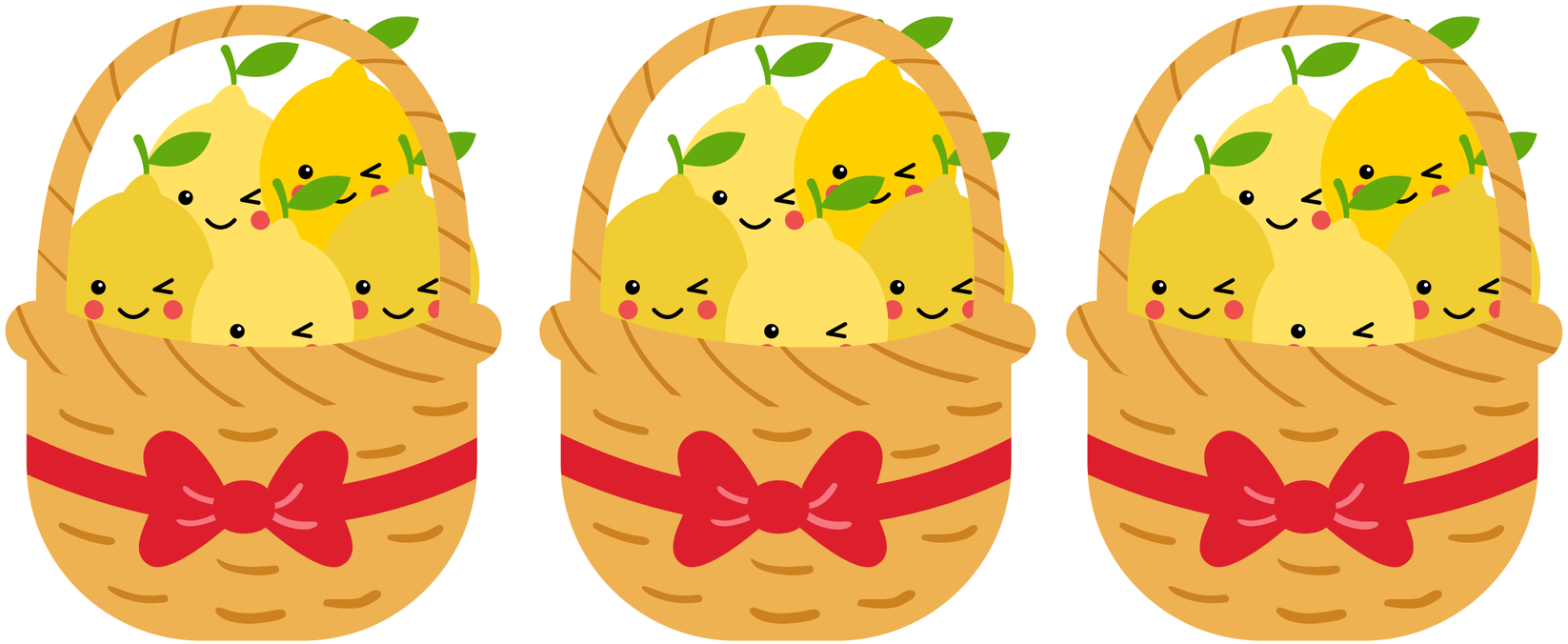
I DO

I have 3 baskets, and I want to put 5 lemons in each basket. How many lemons do I need?



I DO WORKSPACE

I have 3 baskets, and I want to put 5 lemons in each basket. How many lemons do I need?

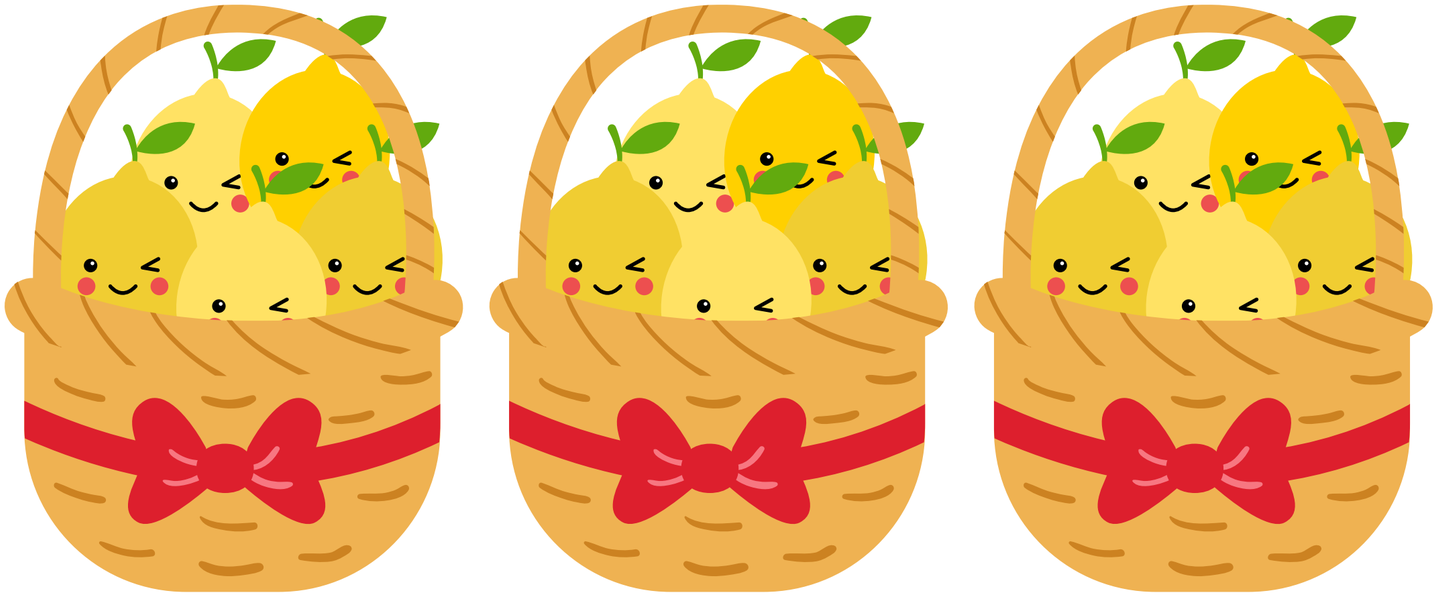


You will need 15 lemons.

I DO

WORKSPACE

$$\underset{\text{groups}}{3} \times \underset{\text{lemons}}{5} = \underset{\text{lemons}}{15}$$

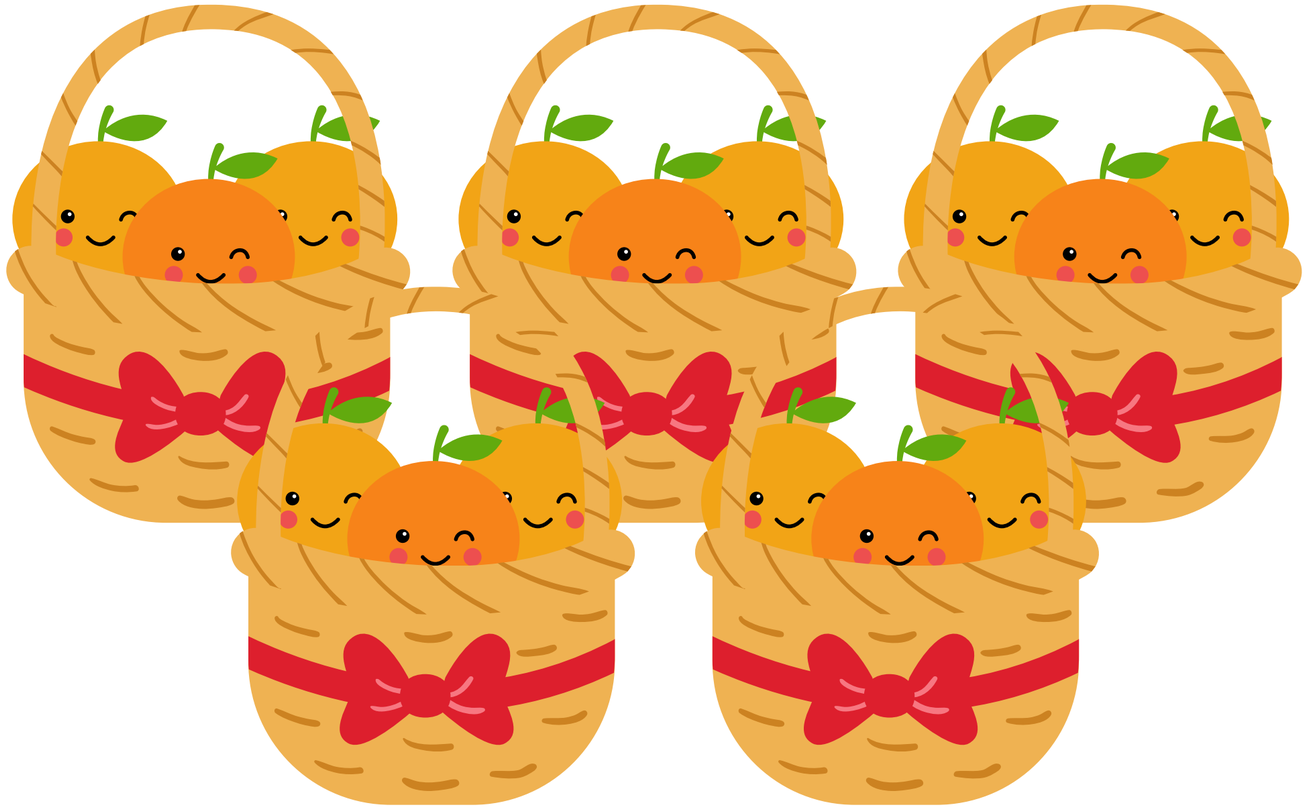


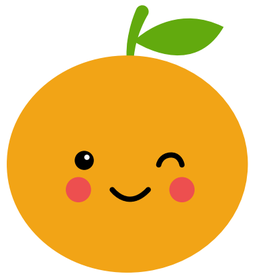
WE DO

I have 5 baskets, and I want to put 3 oranges in each basket. How many oranges do I need?

WE DO WORKSPACE

I have 5 baskets, and I want to put 3 oranges in each basket. How many oranges do I need?



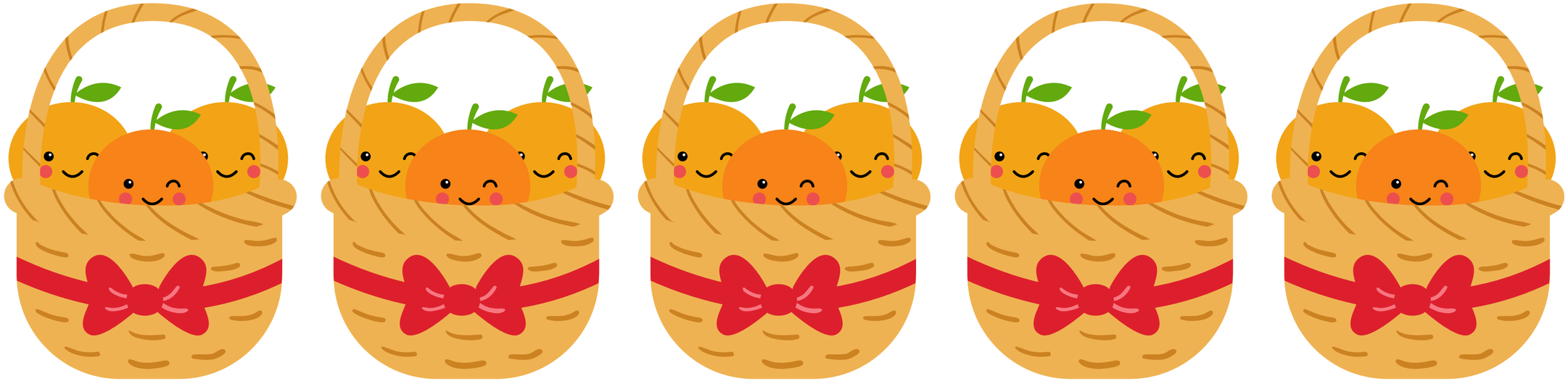


You will need
15 orange.

WE DO

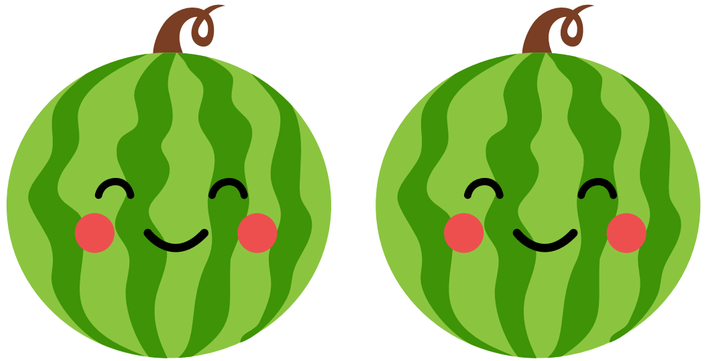
WORKSPACE

$$\underset{\text{groups}}{5} \times \underset{\text{oranges}}{3} = \underset{\text{oranges}}{15}$$



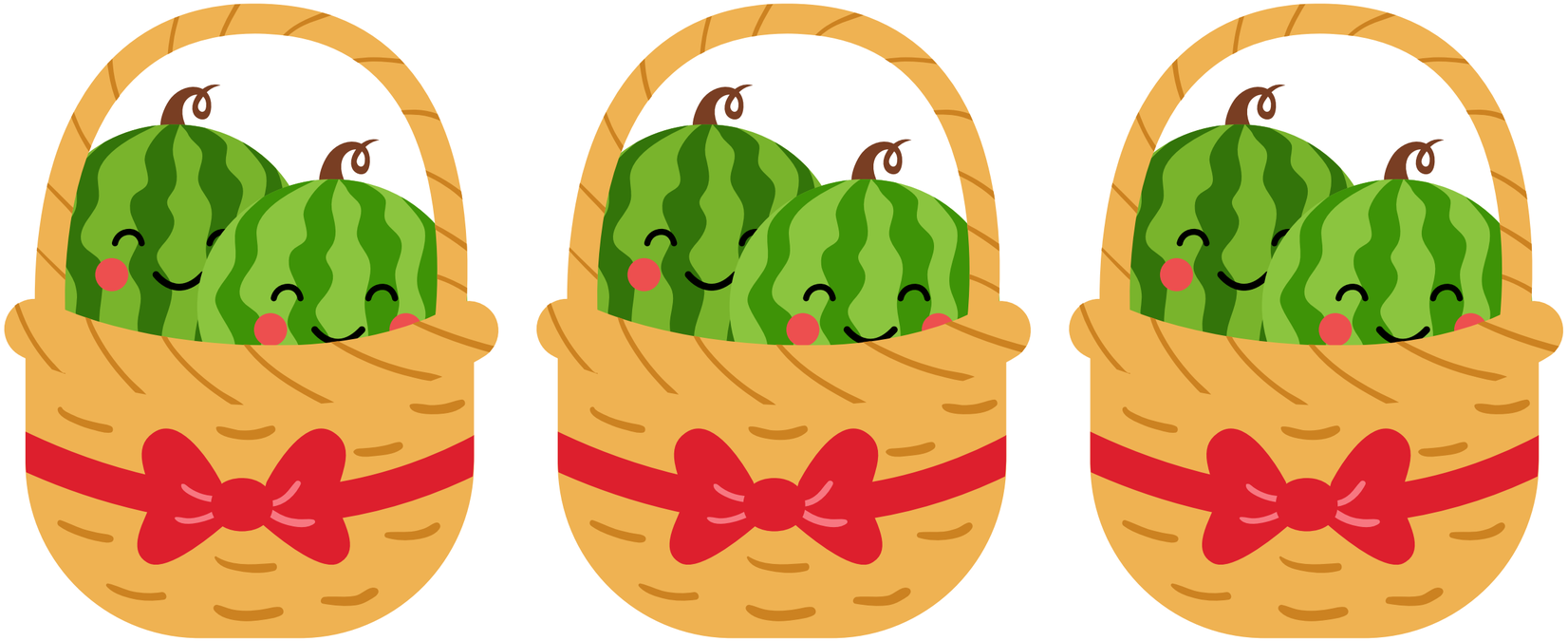
YOU DO

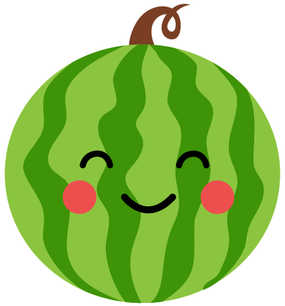
If you have 3 baskets, and you have to put 2 watermelons in each basket, how many watermelons do you need?



YOU DO WORKSPACE

If you have 3 baskets, and you have to put 2 watermelons in each basket, how many watermelons do you need?





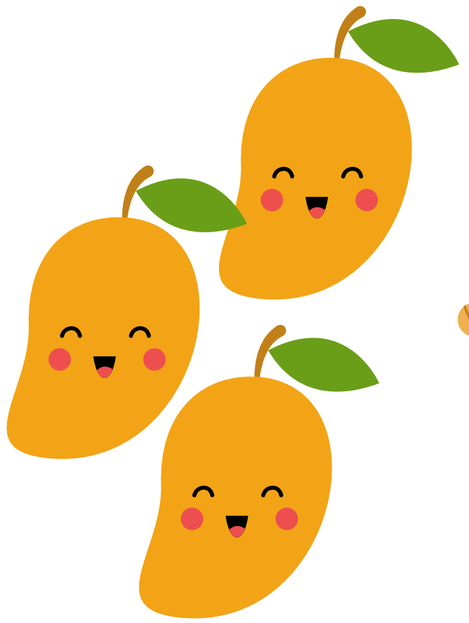
You will need 6 watermelons.

YOU DO WORKSPACE

$$\underset{\text{groups}}{3} \times \underset{\text{watermelons}}{2} = \underset{\text{watermelons}}{6}$$

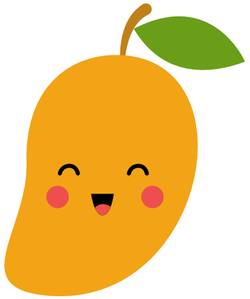
YOU DO

If you have 6 baskets, and you want to put 3 mangos in each basket, how many pears do you need



YOU DO WORKSPACE

If you have 6 baskets, and you want to put 3 mangos in each basket, how many pears do you need

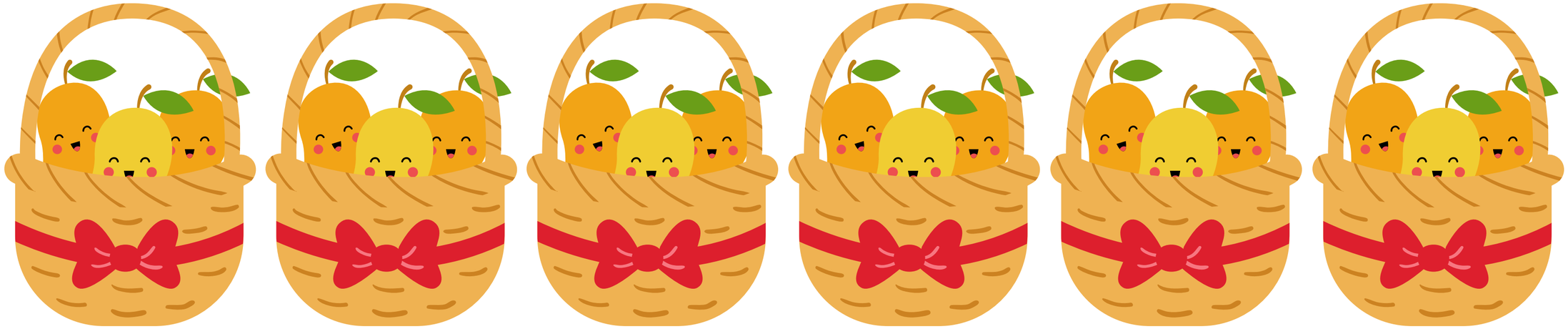


You will need 18 mangos.

YOU DO

WORKSPACE

$$\underset{\text{groups}}{6} \times \underset{\text{mangos}}{3} = \underset{\text{mangos}}{18}$$



WRAP UP

- Equal groups are groups that have the same number of objects in each one.
- Multiplying with equal groups means putting all the objects together to find the total.