



# Helping With Math

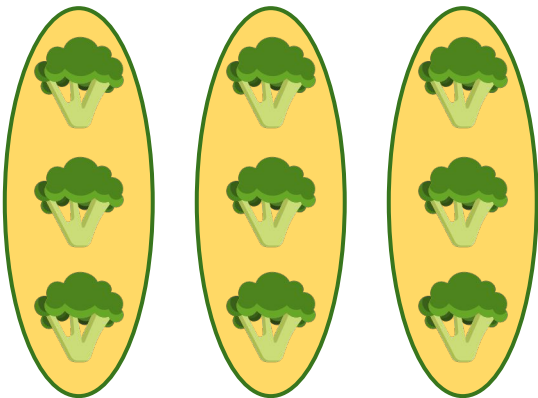
## Division of Numbers within 100



**GRADE 3**



Division is one of the four basic mathematics operations. It is the process of breaking a number into equal number of parts or groups. This worksheet pack will guide you to divide numbers.



$$9 \div 3 = 3$$



### What is Division?

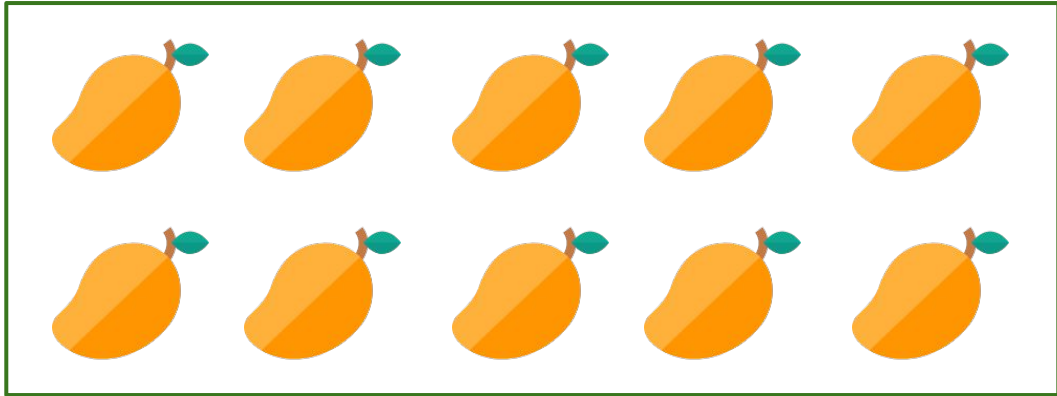


- ❖ It is the opposite of multiplication.
- ❖ It is the result of 'fair sharing'.
- ❖ The method of distributing a group of things, objects, or numbers into equal parts.

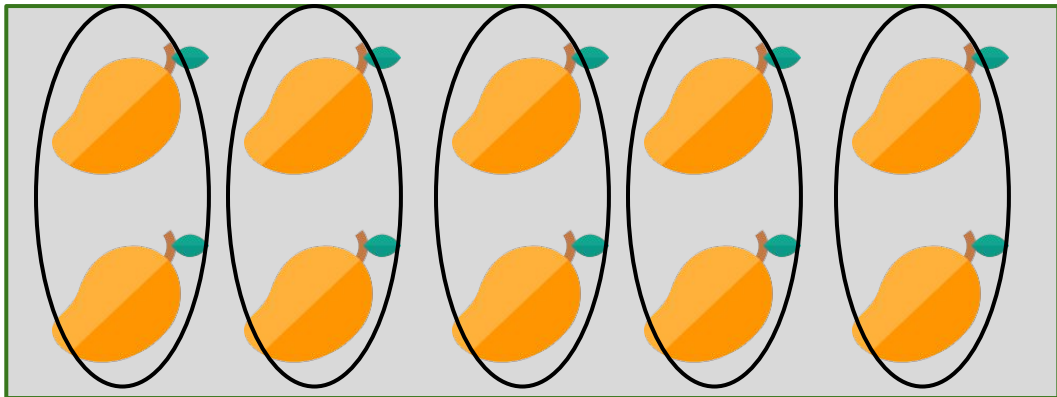


## CONCEPTS OF DIVISION

- ❖ The main goal of division is to see how many equal groups are sharing fairly.



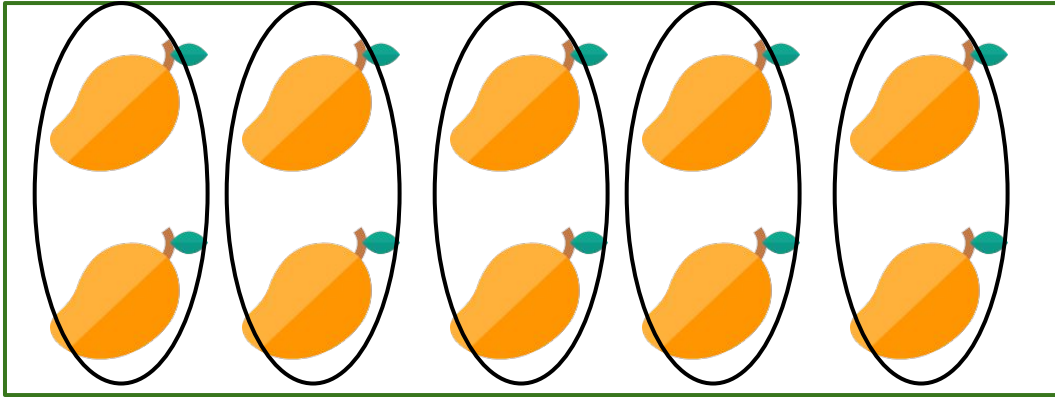
Is it possible to group these 10 mangoes into 2's?



It is possible to group 10 into 2's!  
We actually made 5 equal groups.



## DIVISION SENTENCE



We can represent the picture above using mathematical symbols. A division sentence looks like this...

$$10 \div 2 = 5$$

**Dividend**

**Divisor**

**Quotient**

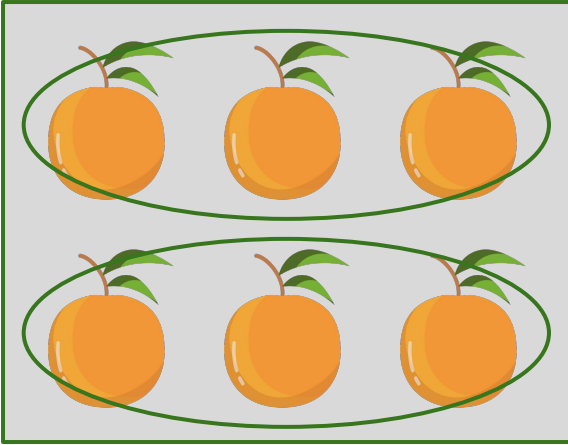
The  
number  
you are  
dividing up

The  
number  
you are  
dividing by

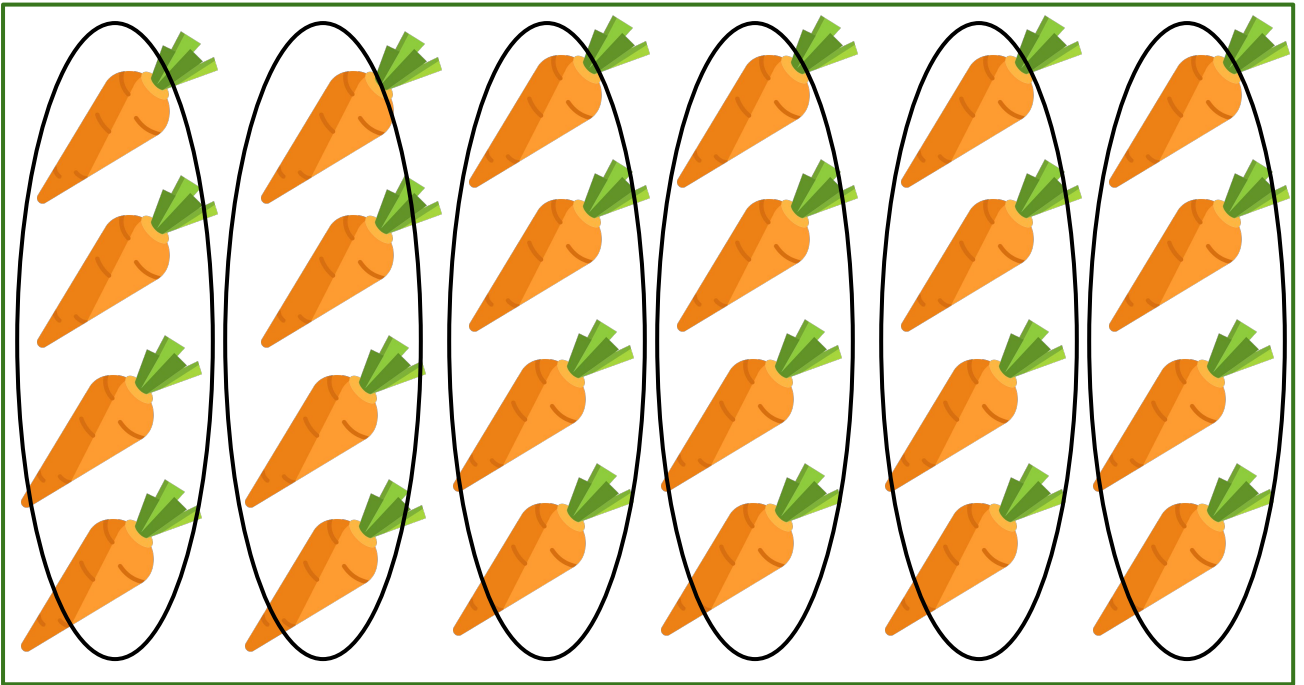
The answer  
or result



## DIVISION SENTENCE



Write the division sentence here:



Write the division sentence here:

Dividend:

Divisor:

Quotient:



## EXAMPLES OF DIVISION OF NUMBERS



$$12 \div 4 =$$

**DRAW ANY KIND OF FRUIT TO REPRESENT THE DIVISION SENTENCE**

$$30 \div 5 =$$



**DRAW ANY KIND OF VEGETABLE TO REPRESENT THE DIVISION SENTENCE**



## TABLE OF ACTIVITIES

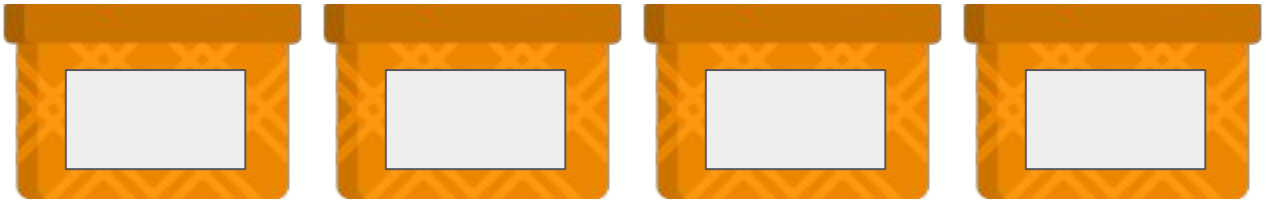
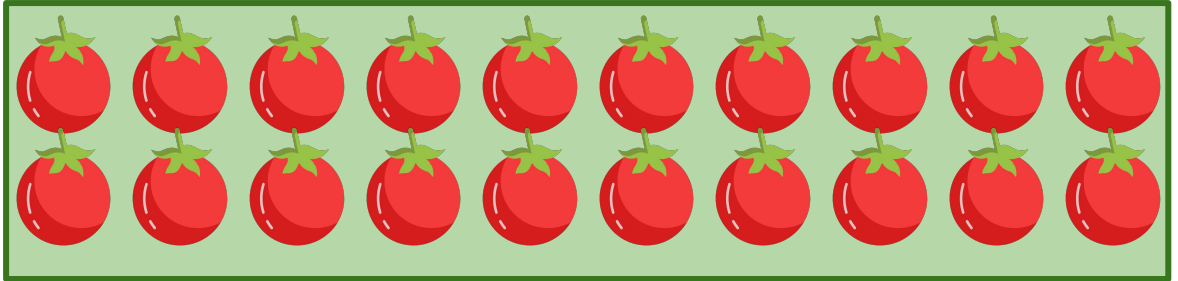
1. Helping Mr. Fruity
2. Fruity Groupy
3. Veggie Sentence
4. Fruits for Sale
5. Fruit Servings
6. The Fruit Stand
7. Vegetables for Sale
8. Mixed Fruits and Veggies
9. Making Fair Share
10. Solving with Apples



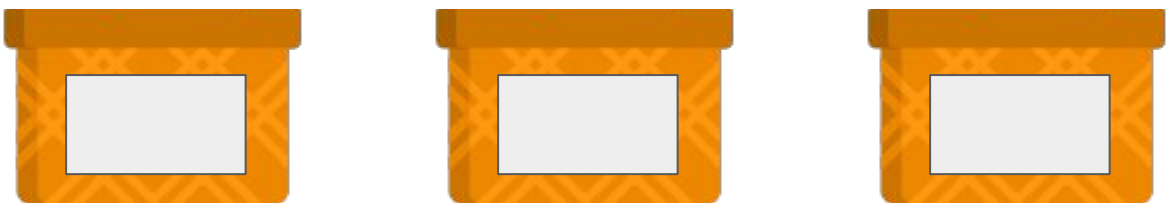
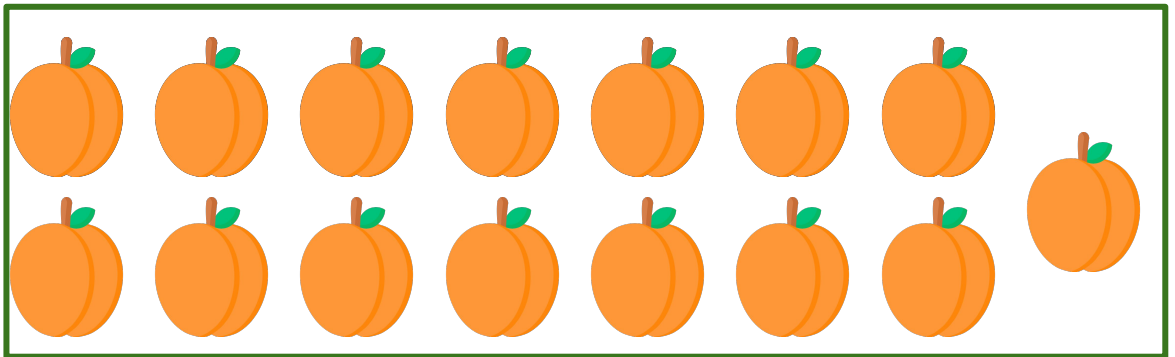
# HELPING MR. FRUITY

These baskets can only be filled when the fruits are equally grouped together. Help Mr. Fruity to finish the task.

1



2

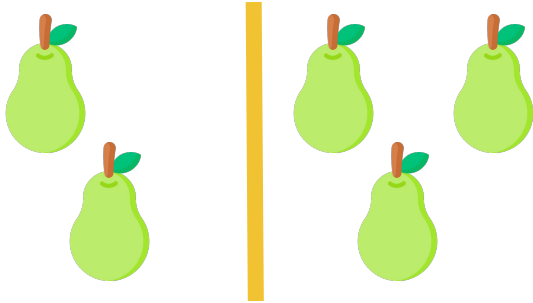


# FRUITY GROUPY

Perform division to find the answer. Encircle the correct group of fruits that corresponds the quotient.

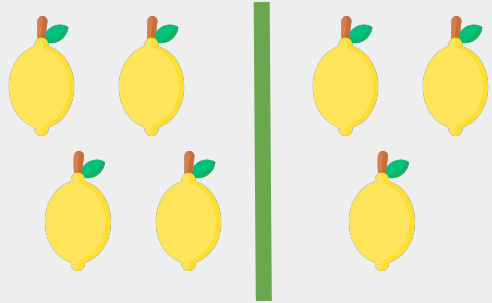
1

$$6 \div 3 = \underline{\quad}$$



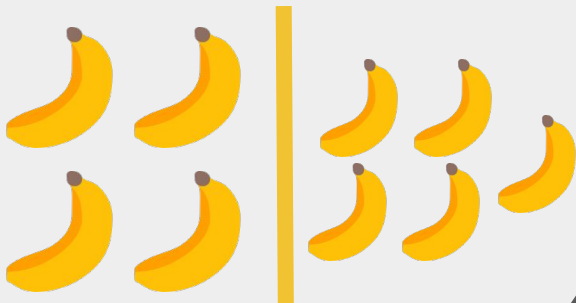
2

$$15 \div 5 = \underline{\quad}$$



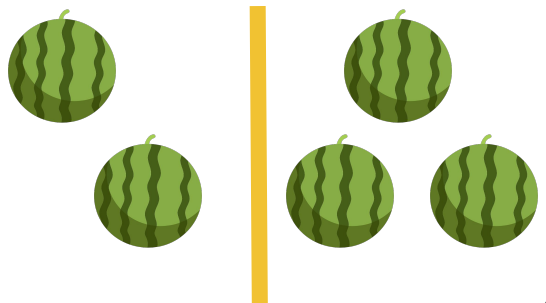
3

$$16 \div 4 = \underline{\quad}$$



4

$$22 \div 11 = \underline{\quad}$$

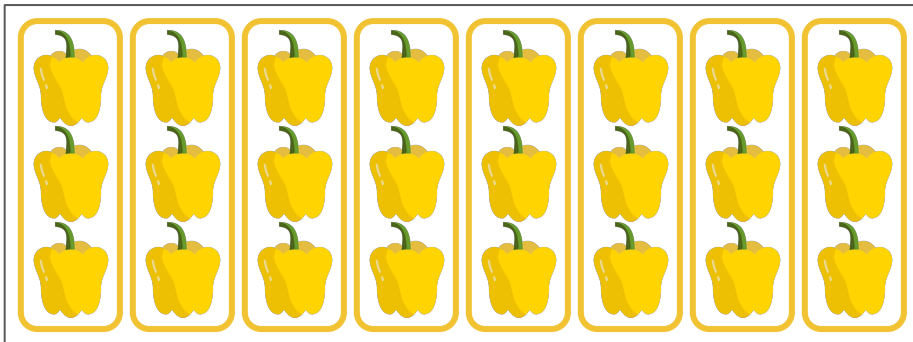




# VEGGIE SENTENCE

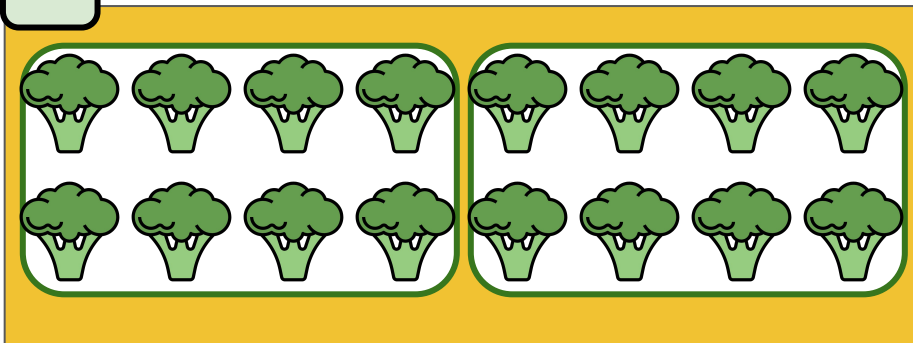
Write a division sentence for the following group of vegetables.

1



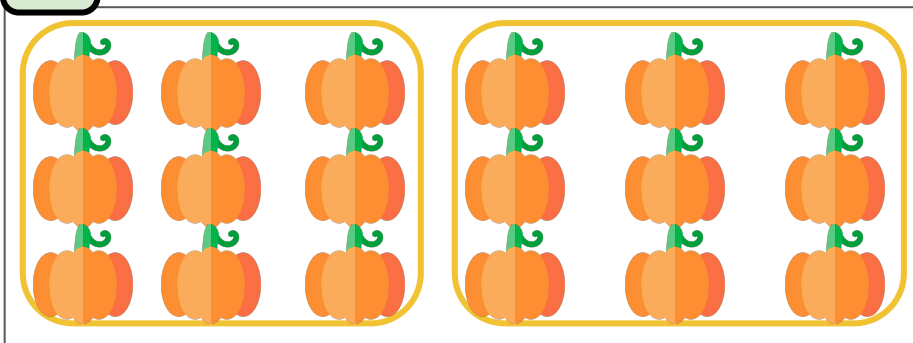
DIVISION  
SENTENCE

2



DIVISION  
SENTENCE

3



DIVISION  
SENTENCE



# FRUITS FOR SALE

Write the name of the fruit that contains the correct quotient.



1

$$40 \div 10$$

2

$$24 \div 4$$

3

$$30 \div 6$$

4

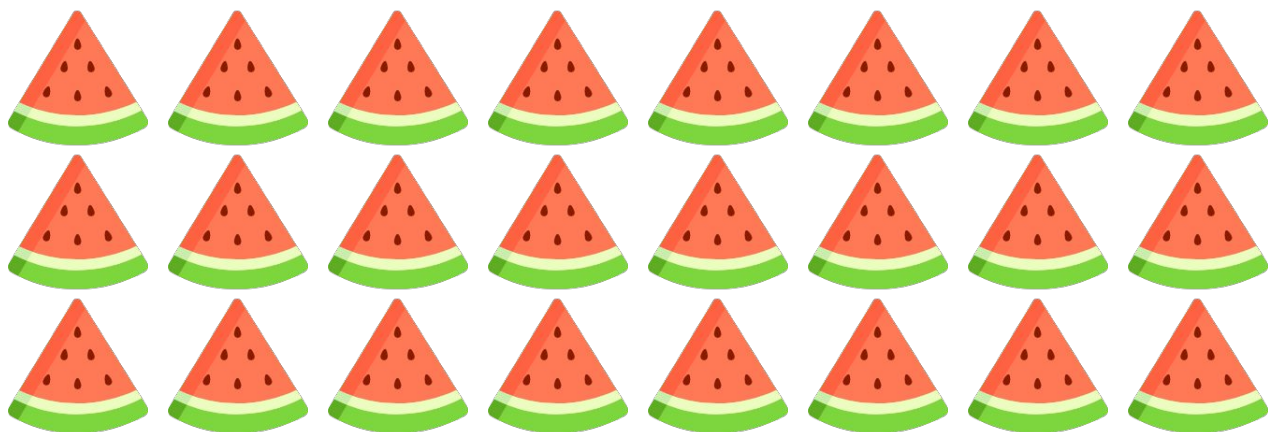
$$63 \div 9$$



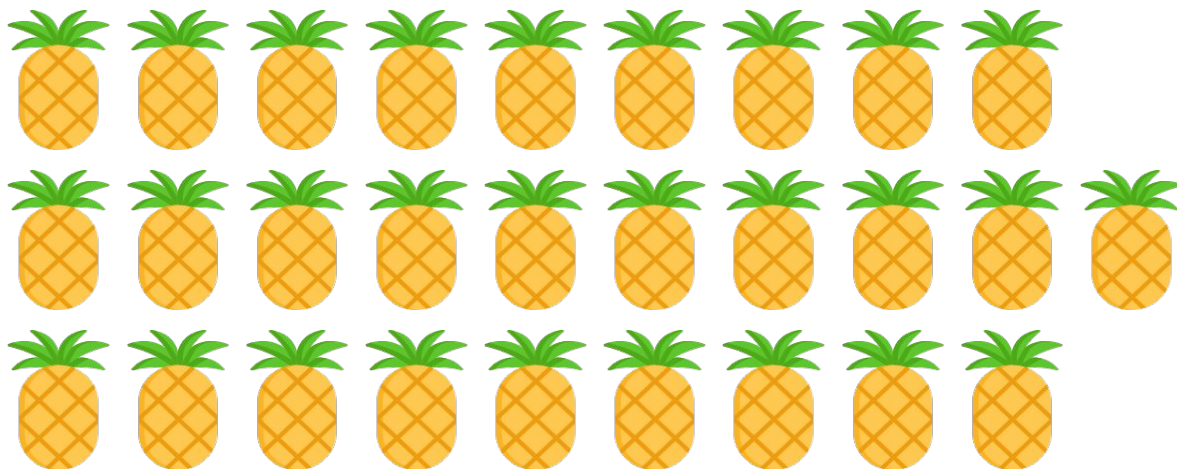
# FRUIT SERVINGS

Group the set of fruits given the desired number.

Group the slices of watermelon into 4's.



Group these pineapples into 7's.



# THE FRUIT STAND

Let us find some division concepts! Encircle the words that are related to division.



F D D T A O  
I I I N P A  
F V V E S P  
J I I I D O  
Q S D T I L  
E O E O V U  
C R N U I L  
Y S D Q D O  
O Y B S E E



# VEGETABLES FOR SALE

Write the name of the vegetables that contain the correct quotient.

1

$$50 \div 10$$

2

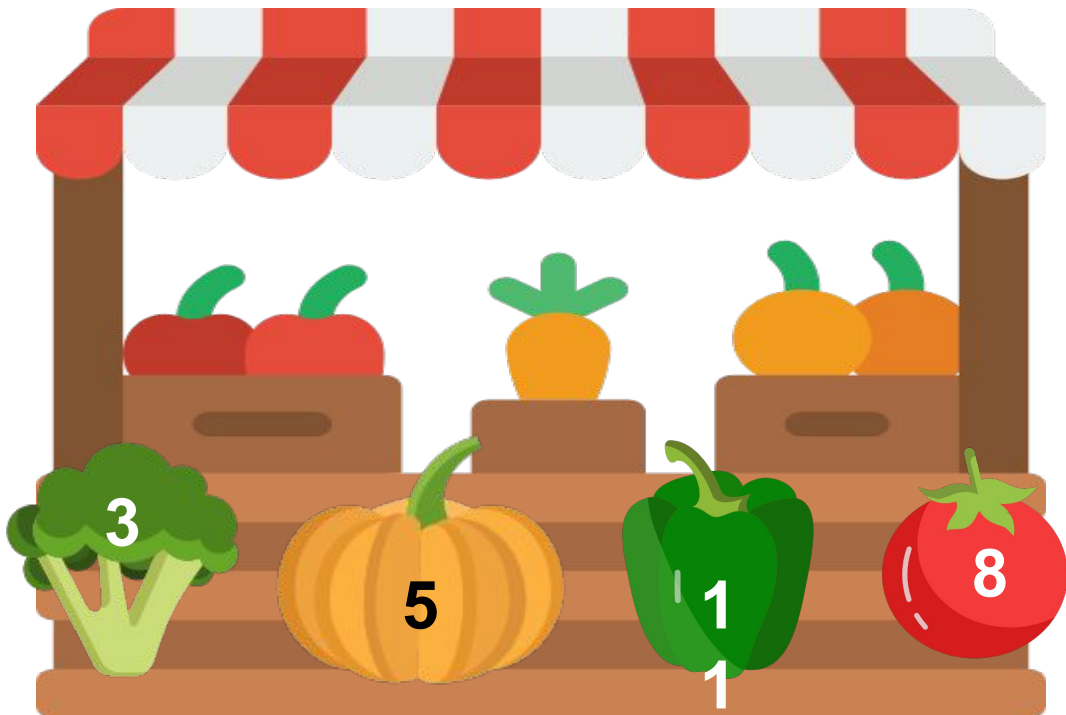
$$32 \div 4$$

3

$$66 \div 6$$

4

$$27 \div 9$$



# MIXED FRUITS AND VEGGIES

Illustrate each division sentence using fruits and vegetables.

$$20 \div 4$$



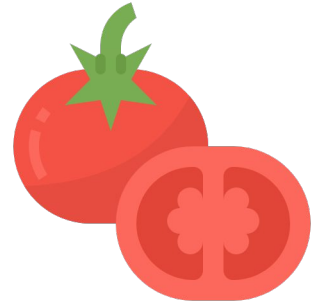
$$15 \div 5$$



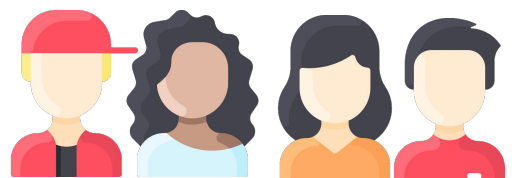
## MAKING FAIR SHARE

Read each questions carefully. Write your solution and answer on the space provided.

Mr. Smith bought 100 pieces of tomatoes. He needs to put all of it in 10 baskets. How many tomatoes does each basket should contain to fairly distribute all of the tomatoes?



Mr. Farmer harvested 48 kilos of carrots. He has four customers to sell his products equally. Given that, how many kilos of carrots should each customer receive?

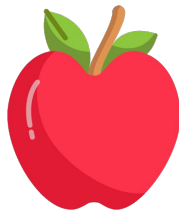
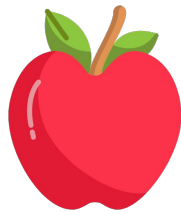
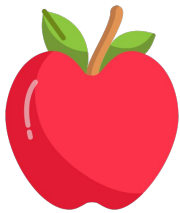
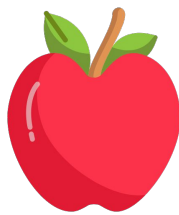
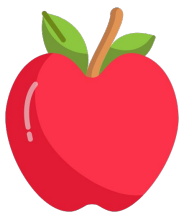


# SOLVING WITH APPLES

Solve for the quotient of the following items. Cut and paste the apples below to show your answer.

$$40 \div 10$$

$$54 \div 9$$





# ANSWER GUIDE

## Activity 1

1. 5 apples per basket
2. 5 lychees per basket

## Activity 2

1. 2
2. 3
3. 4
4. 2

## Activity 3

1.  $24 \div 3 = 8$
2.  $16 \div 2 = 8$
3.  $18 \div 2 = 9$

## Activity 4

1. 4, tomato
2. 6, mango
3. 5, lychee
4. 7, avocado

## Activity 5

1. The set of watermelons should create 6 equally divided groups.
2. The set of lychees should create 3 equally divided groups.



# ANSWER GUIDE

## Activity 6

- Divisor
- Dividend
- Divide

## Activity 7

1. 5, pumpkin
2. 8, tomato
3. 11, bell pepper
4. 3, brocolli

## Activity 8

Answers may vary.

## Activity 9

1. 10 tomatoes
2. 12 kilos each

## Activity 10

1. 4
2. 6



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