

Grade 3 Math

Simply Skilled

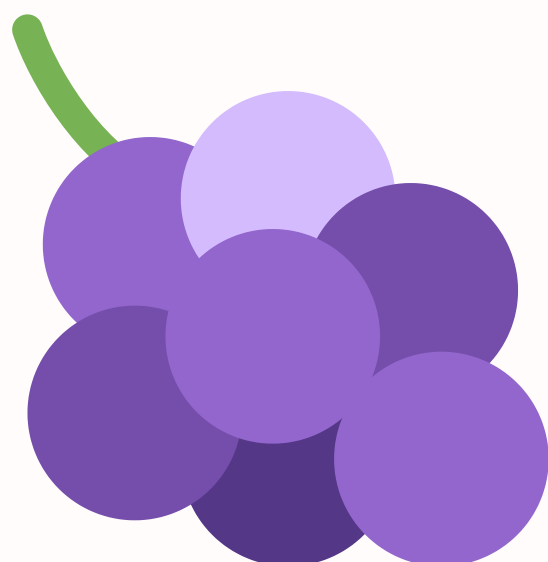
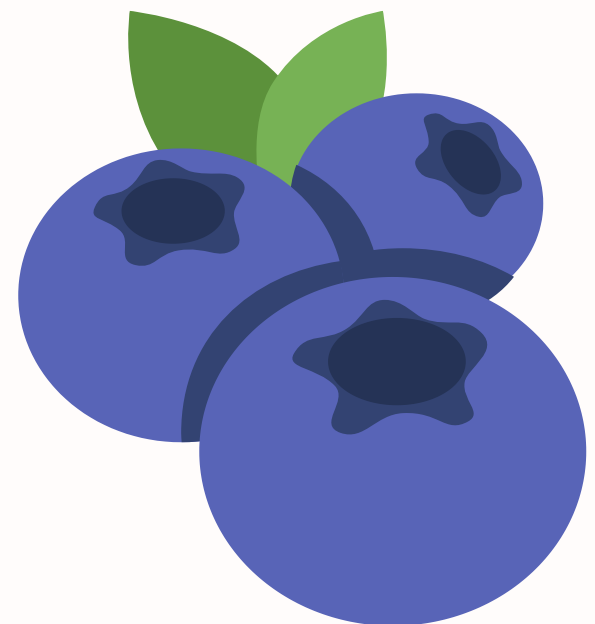
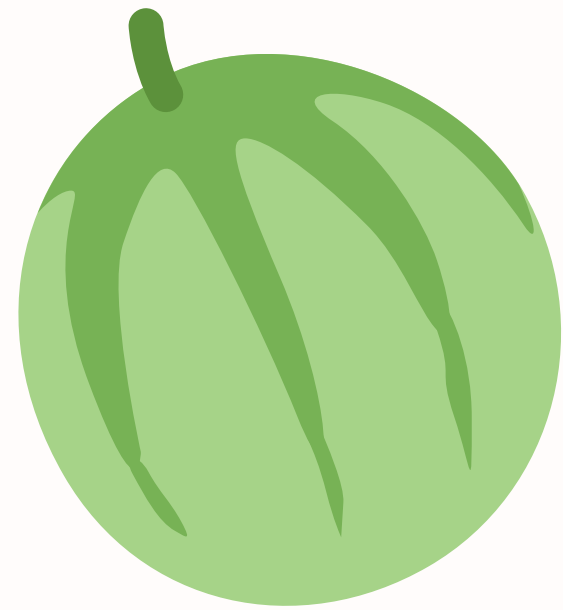


Table of Contents

UNIT 1: Multiplication 2-4

UNIT 2: Addition

UNIT 3: Subtraction

UNIT 4:

UNIT 5: Division

UNIT 6: Quadrilaterals

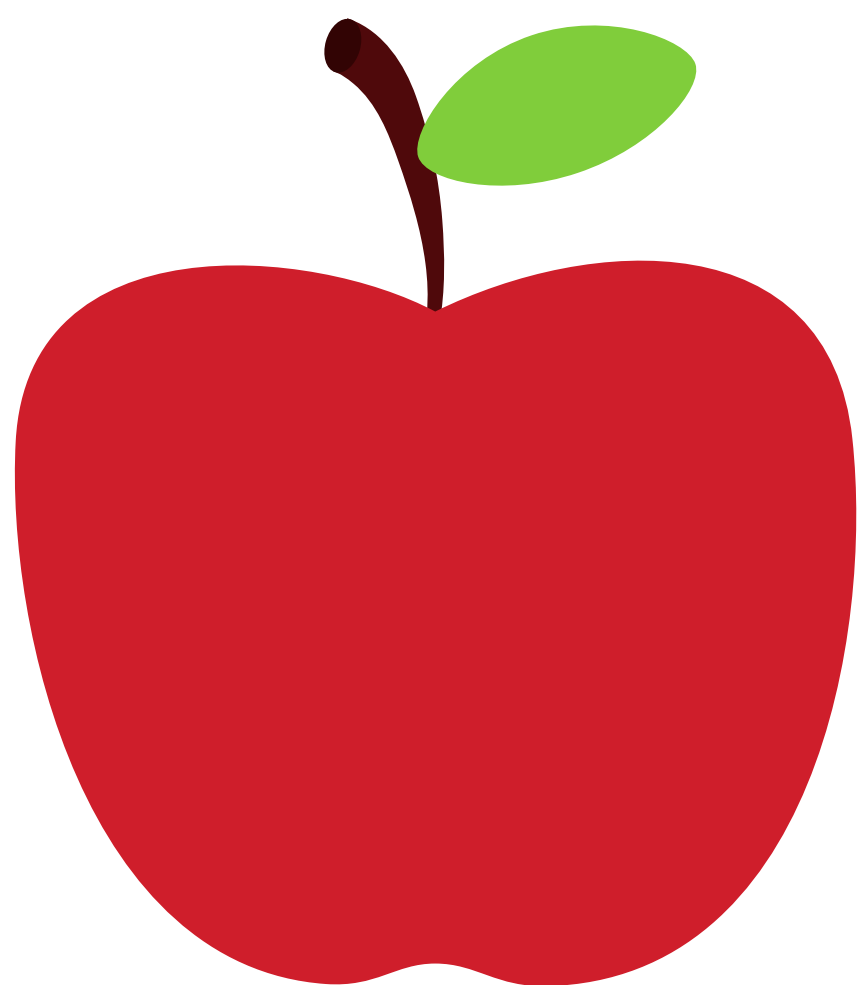
UNIT 7: Area

UNIT 8: Perimeter

UNIT 9: Test

UNIT

ONE





Multiplication

What is 3×4 ?

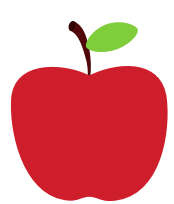
To draw this out, we can create 3 groups of 4 hearts.

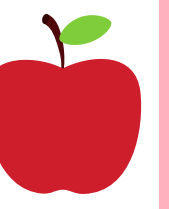
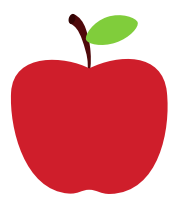


How many hearts are there in total?

There are 12 hearts.

$$3 \times 4 = 12$$





Multiplication

We can also solve a multiplication problem by using addition.

What is 6×5 ?

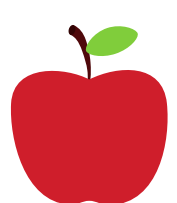
$$6 + 6 + 6 + 6 + 6$$

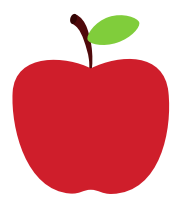
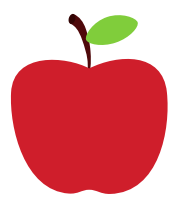
OR

$$5 + 5 + 5 + 5 + 5 + 5$$

$$6 \times 5 = 30$$

Fun Fact: Anything multiplied by 0 is 0.





Multiplication Problems

$1 \times 2 =$

$4 \times 6 =$

$3 \times 6 =$

$3 \times 9 =$

$8 \times 5 =$

$4 \times 9 =$

$9 \times 7 =$

$7 \times 4 =$

$2 \times 4 =$

$5 \times 6 =$

$5 \times 5 =$

$6 \times 5 =$

$9 \times 6 =$

$7 \times 4 =$

$8 \times 2 =$

$8 \times 3 =$

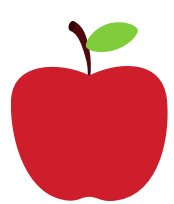
$4 \times 0 =$

$9 \times 2 =$

$6 \times 6 =$

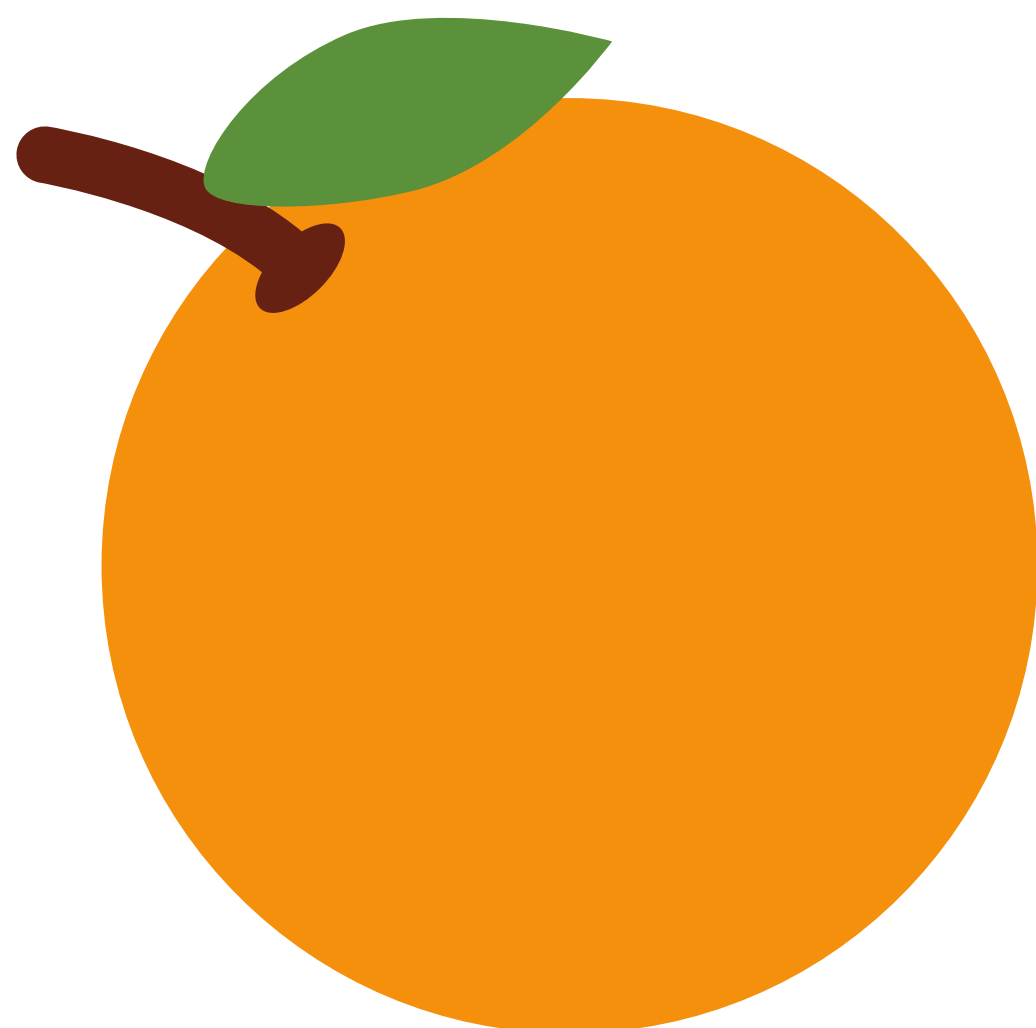
$0 \times 8 =$

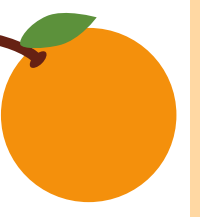
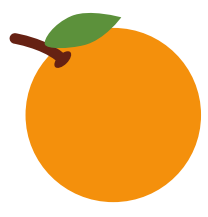
Grab a friend and race to finish first!



UNIT

TWO





Addition

How do we add multi-digit numbers?

What is $305 + 454$?

First:

$$\begin{array}{r} 305 \\ +454 \\ \hline \end{array}$$

Line up the numbers.

Second:

$$\begin{array}{r} 305 \\ +454 \\ \hline 9 \end{array}$$

Add the numbers starting from right.

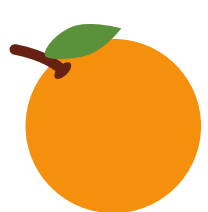
Third:

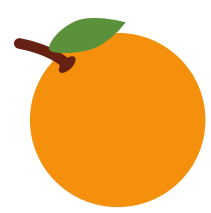
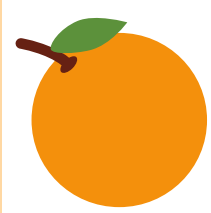
$$\begin{array}{r} 305 \\ +454 \\ \hline 59 \end{array}$$

Continue adding the numbers going from the right to the left.

Final Answer:

$$\begin{array}{r} 305 \\ +454 \\ \hline 759 \end{array}$$





Addition Problems

$$\begin{array}{r} 654 \\ + 133 \\ \hline \end{array}$$

$$\begin{array}{r} 823 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 128 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 276 \\ + 100 \\ \hline \end{array}$$

$$\begin{array}{r} 472 \\ + 427 \\ \hline \end{array}$$

$$\begin{array}{r} 523 \\ + 134 \\ \hline \end{array}$$

$$\begin{array}{r} 543 \\ + 53 \\ \hline \end{array}$$

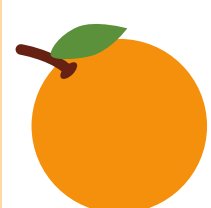
$$\begin{array}{r} 396 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 231 \\ + 63 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ + 24 \\ \hline \end{array}$$

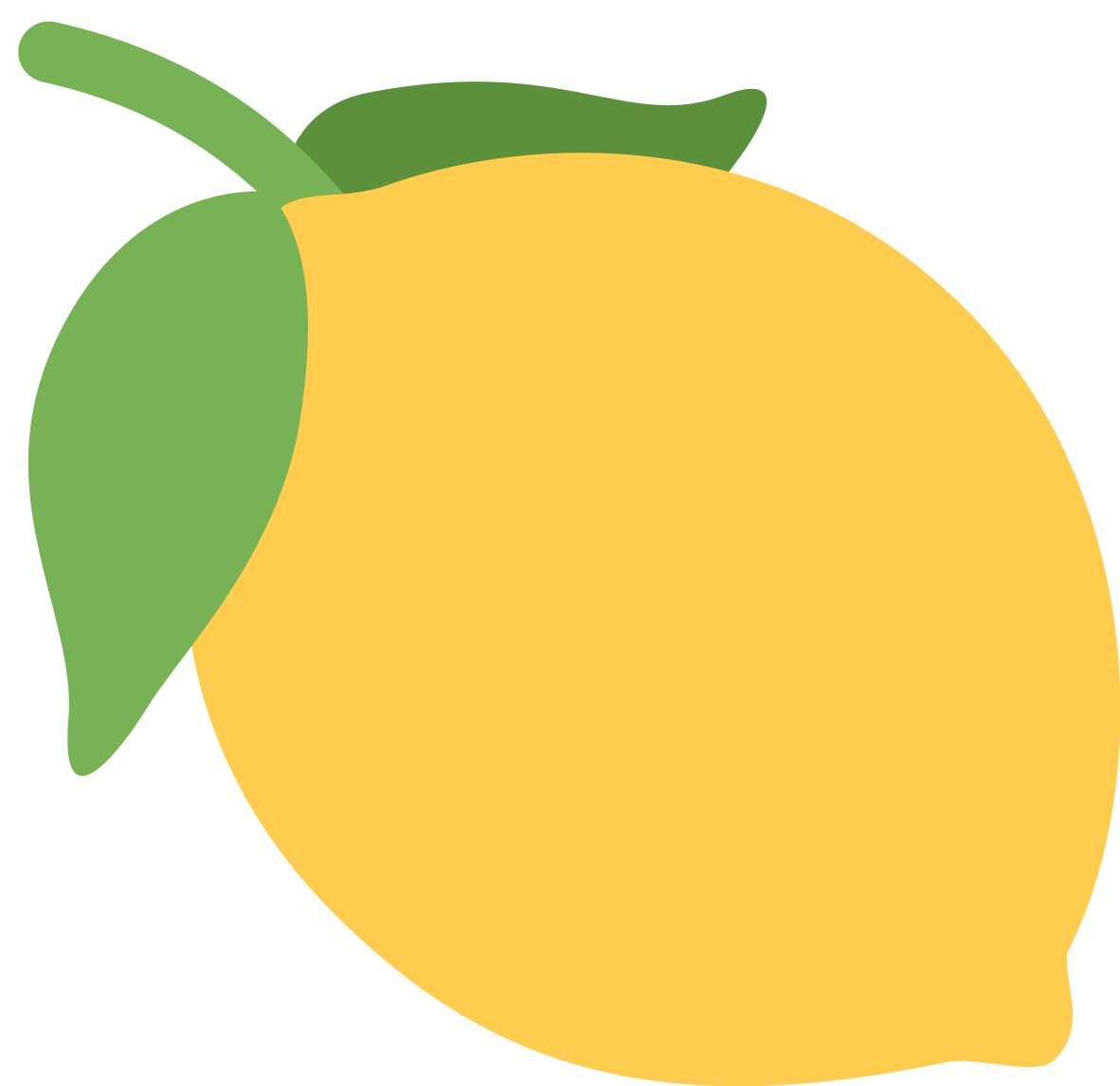
$$\begin{array}{r} 121 \\ + 746 \\ \hline \end{array}$$

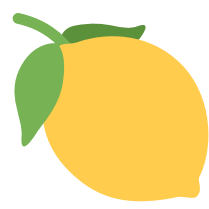
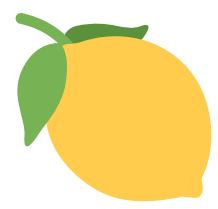
$$\begin{array}{r} 452 \\ + 33 \\ \hline \end{array}$$



UNIT

THREE





Subtraction

How do we subtract multi-digit numbers?

What is $343 - 232$?

First:

$$\begin{array}{r} 342 \\ - 232 \\ \hline \end{array}$$

Line up the numbers.

Second:

$$\begin{array}{r} 342 \\ - 231 \\ \hline 1 \end{array}$$

Subtract the numbers starting from right.

Third:

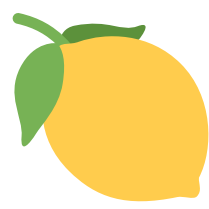
$$\begin{array}{r} 342 \\ - 231 \\ \hline 1 \end{array}$$

Continue subtracting the numbers going from the right to the left.

Final Answer:

$$\begin{array}{r} 342 \\ - 231 \\ \hline 111 \end{array}$$





Subtracting Numbers Problems

$$\begin{array}{r} 305 \\ +454 \\ \hline \end{array}$$

$$\begin{array}{r} 305 \\ +454 \\ \hline \end{array}$$

$$\begin{array}{r} 305 \\ +454 \\ \hline \end{array}$$

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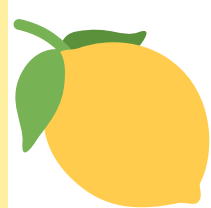
$$\begin{array}{r} 305 \\ +454 \\ \hline \end{array}$$

$$\begin{array}{r} 305 \\ +454 \\ \hline \end{array}$$

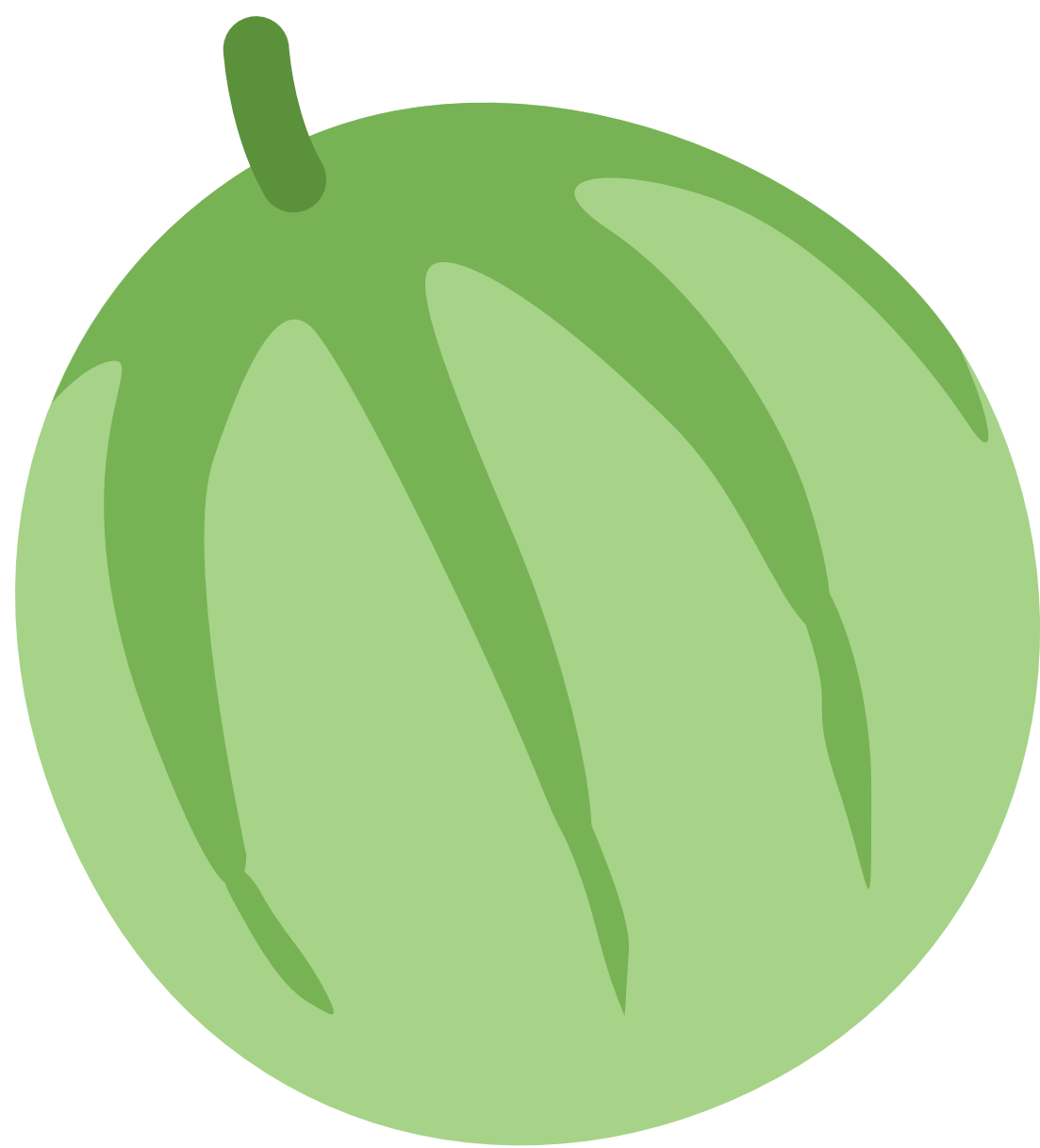
$$\begin{array}{r} 305 \\ +454 \\ \hline \end{array}$$

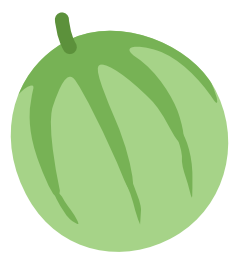
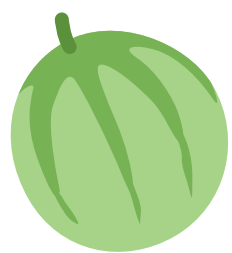
$$\begin{array}{r} 305 \\ +454 \\ \hline \end{array}$$

$$\begin{array}{r} 305 \\ +454 \\ \hline \end{array}$$



UNIT FOUR

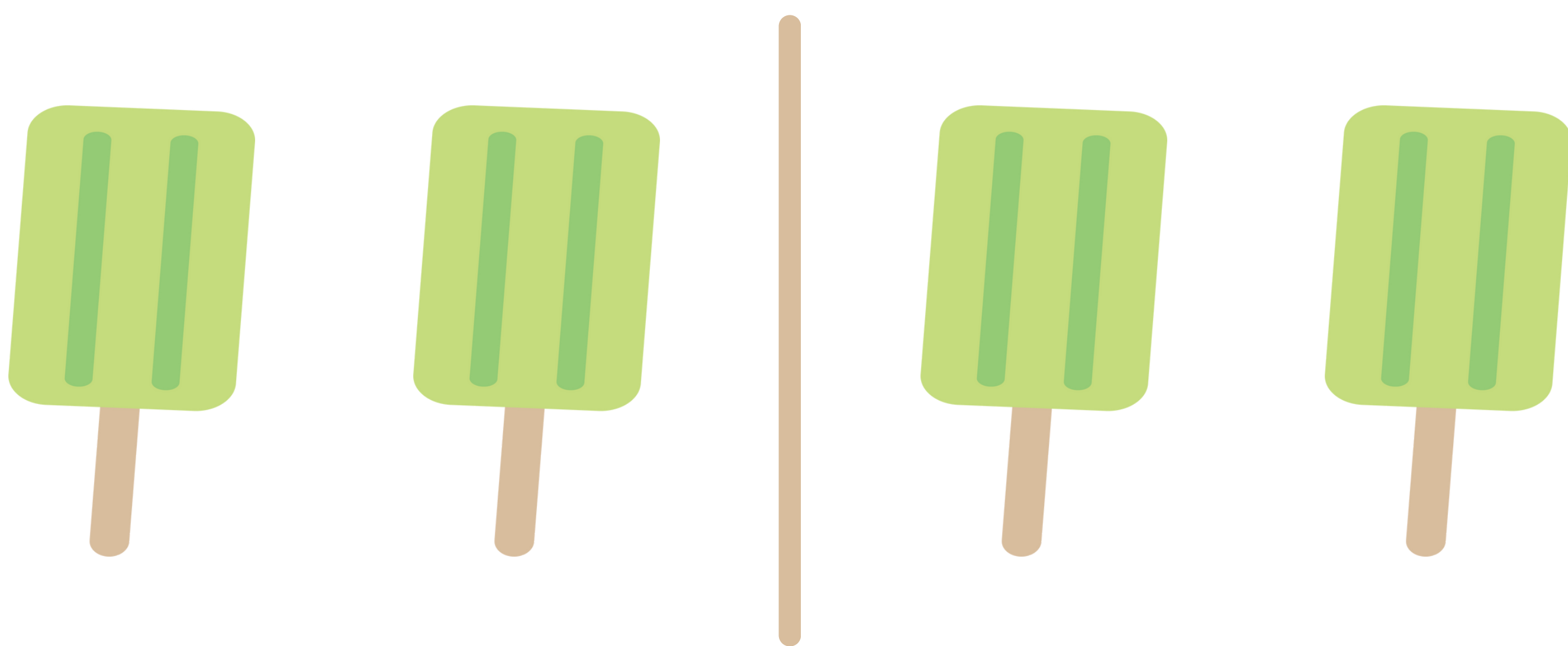




Division

Division is the opposite of multiplication. There aren't new groups being added. One big group is being separated.

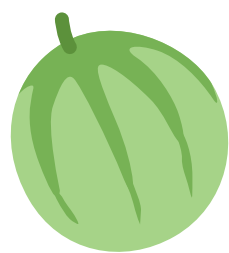
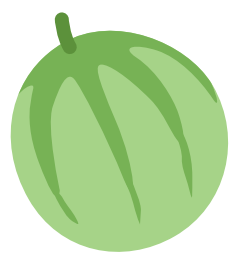
What is 4 divided by 2?



These four popsicles would be separated into two which means

$$4 \div 2 \text{ is } 2.$$





Division

We can also solve a division problem by using subtraction.

What is 6×2 ?

$$6 + 6 + 6 + 6 + 6$$

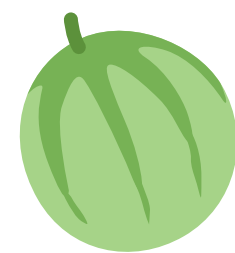
OR

$$5 + 5 + 5 + 5 + 5 + 5$$

$$6 \times 5 = 30$$

Fun Fact: Anything divided by 1 is the same number.





Division Problems

$55 \div 11 =$

$54 \div 6 =$

$12 \div 6 =$

$35 \div 7 =$

$24 \div 4 =$

$54 \div 9 =$

$81 \div 9 =$

$70 \div 7 =$

$20 \div 4 =$

$72 \div 8 =$

$40 \div 5 =$

$42 \div 6 =$

$21 \div 3 =$

$48 \div 8 =$

$18 \div 6 =$

$63 \div 9 =$

$27 \div 3 =$

$64 \div 8 =$

$45 \div 5 =$

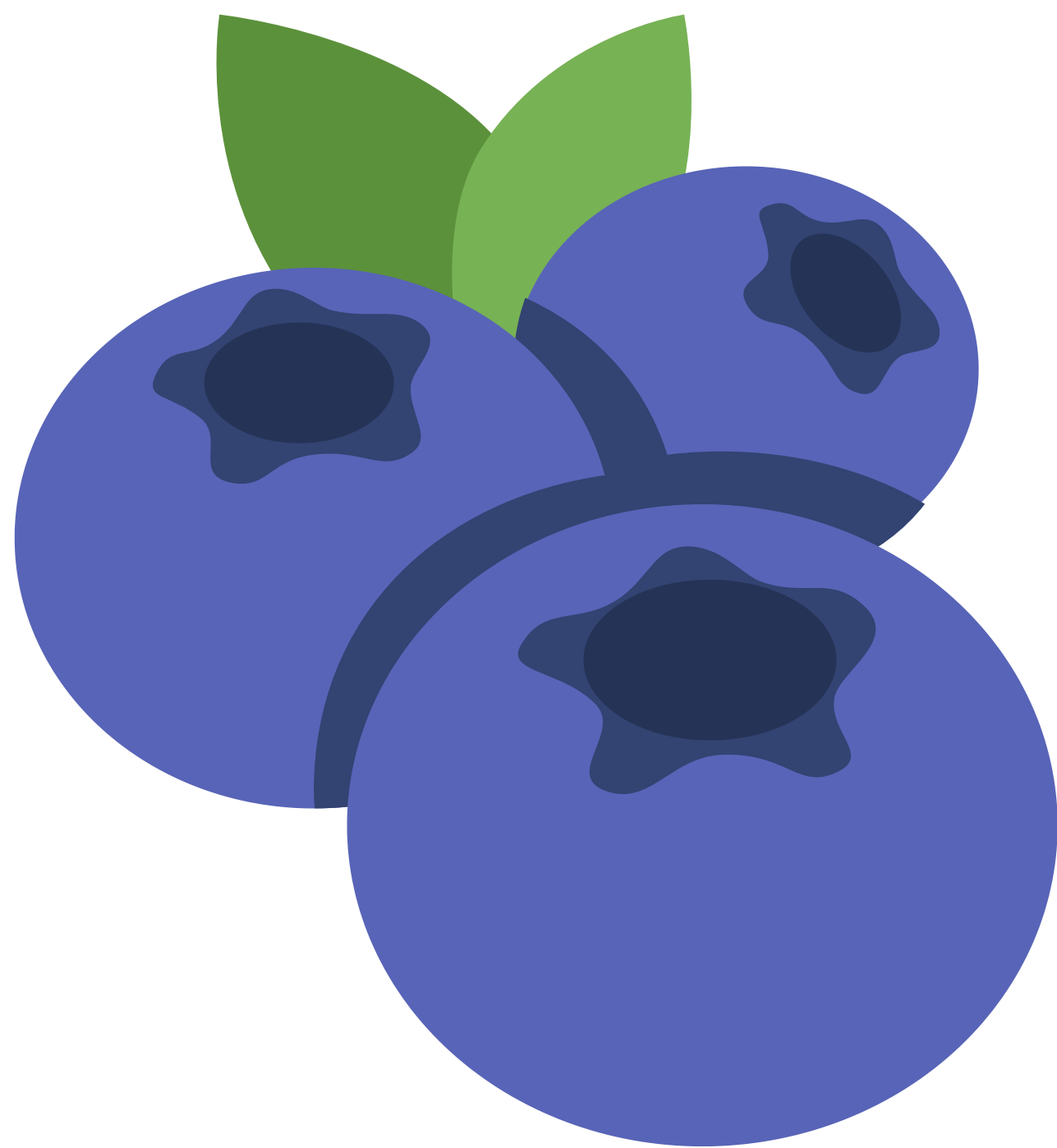
$6 \div 3 =$

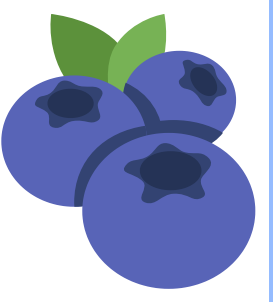
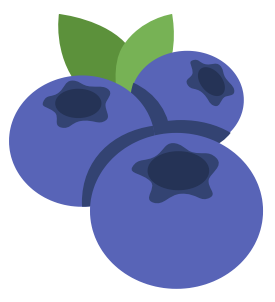
Grab a friend and race to finish first!



UNIT

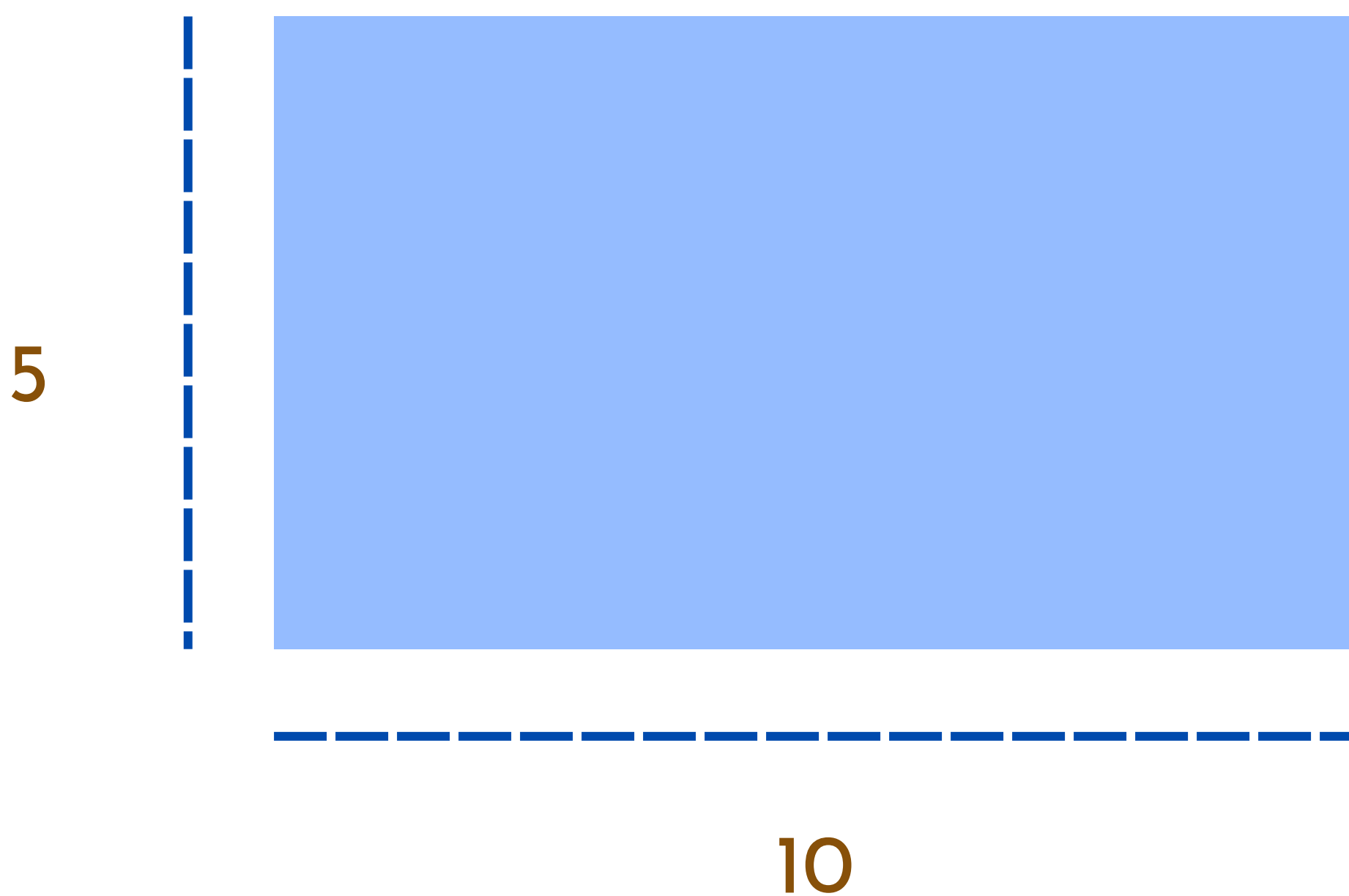
FIVE



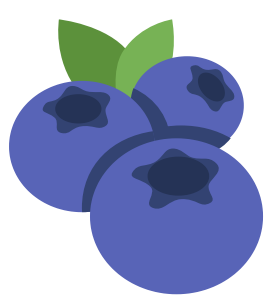


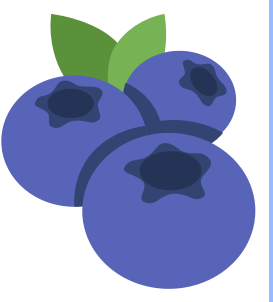
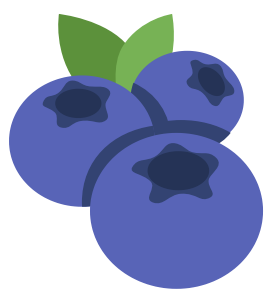
Area

To find the area of a rectangle or square, we multiply the side length by the top length.



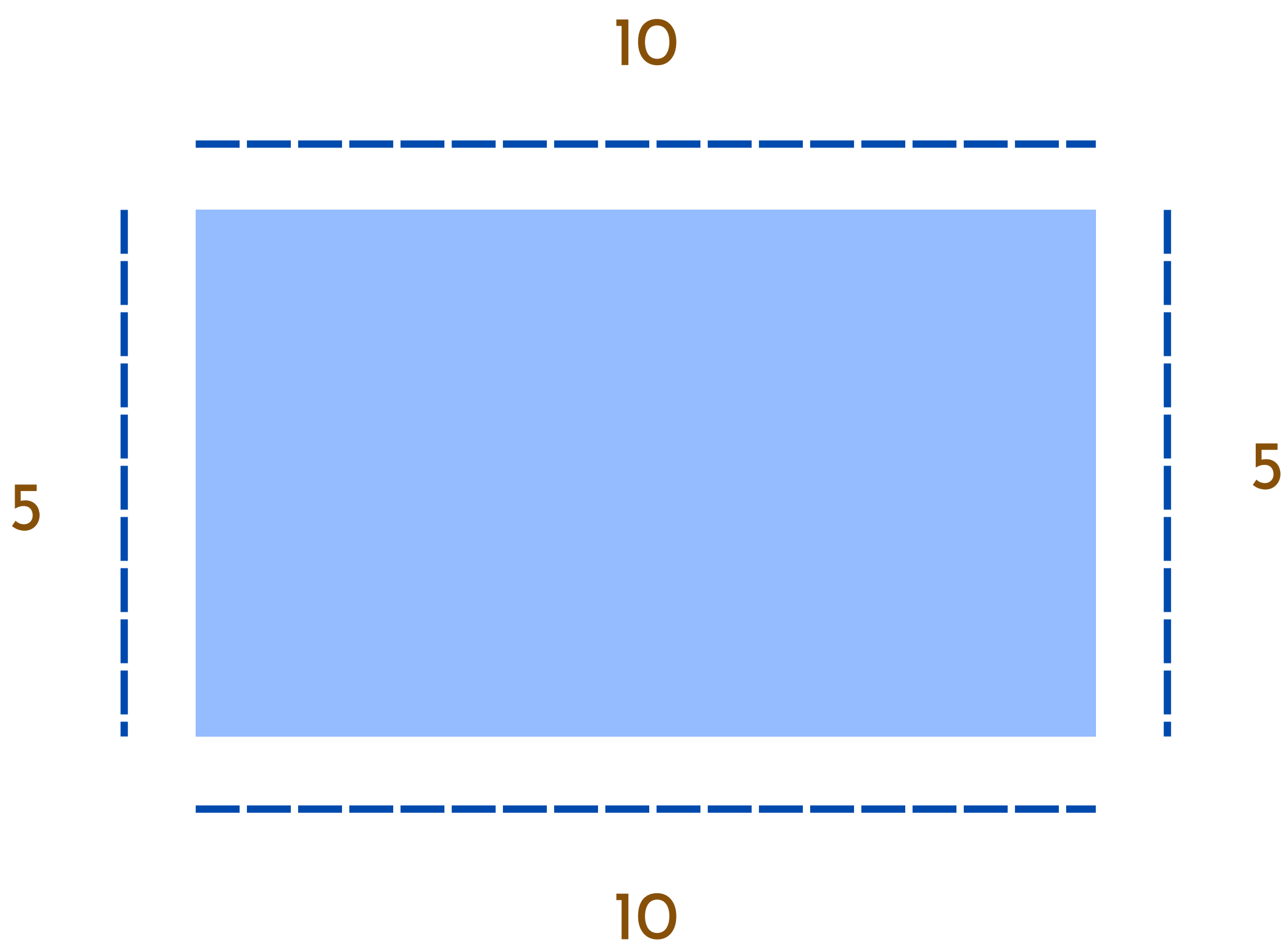
10×5 is 50. This means that the area of this rectangle is 50 units.





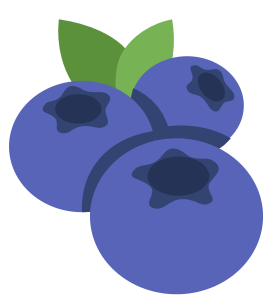
Perimeter

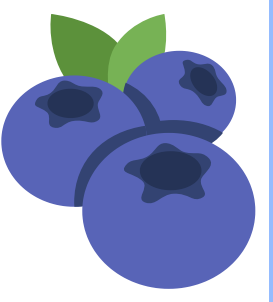
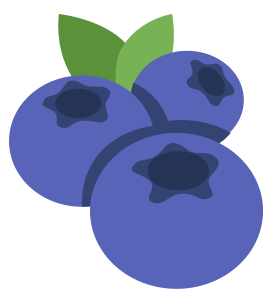
To find the perimeter of a rectangle, we add all the sides together.



$$5 + 10 + 5 + 10 = 30$$

The perimeter of this rectangle is 30 units.





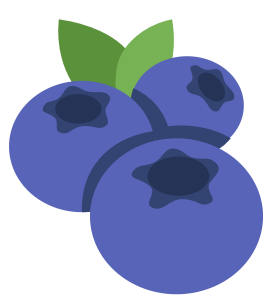
Area and Perimeter Problem

What is the perimeter of a rectangle with the sides of 5 units and 6 units?

Perimeter:

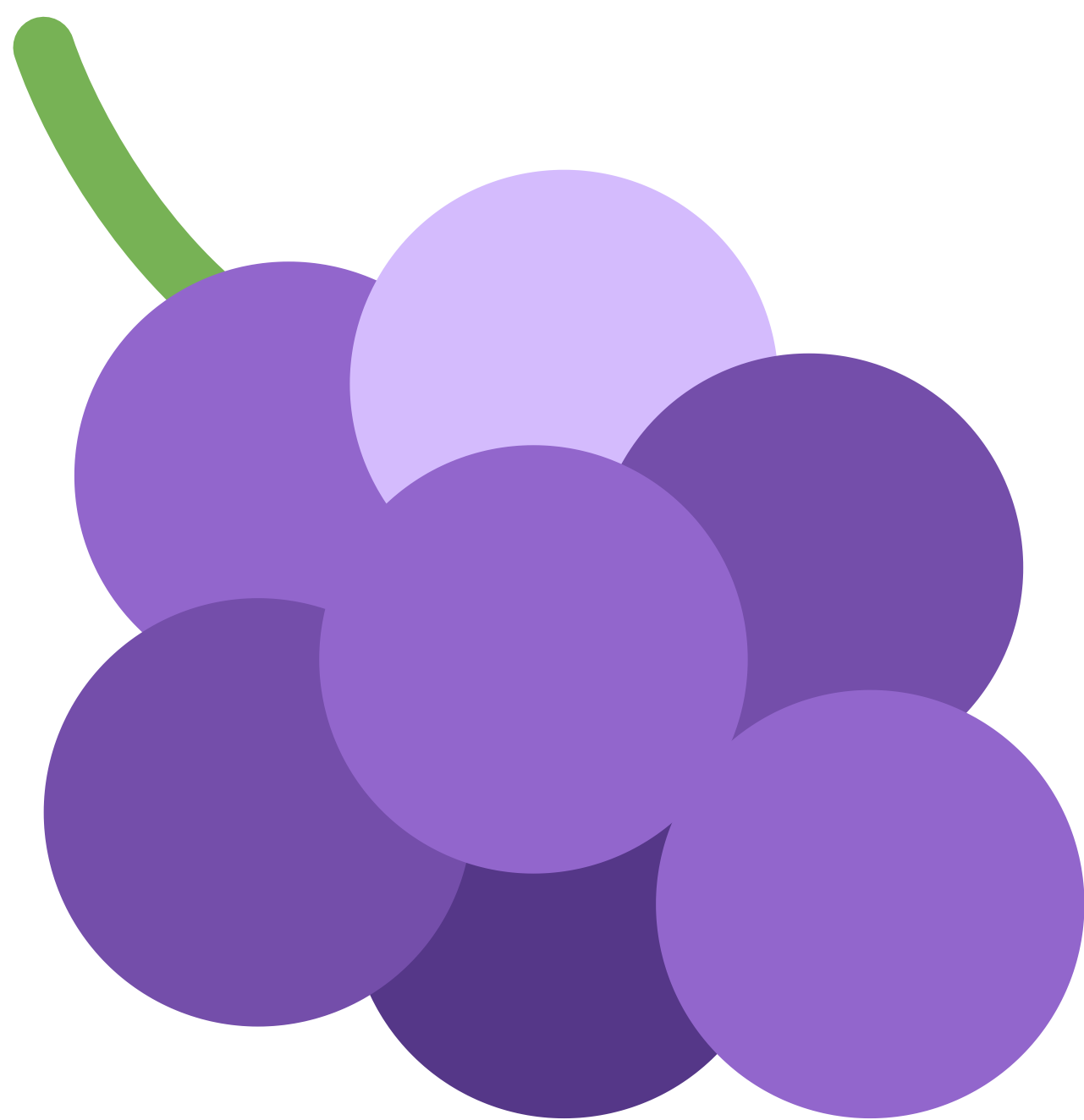
What is the area of the same rectangle?

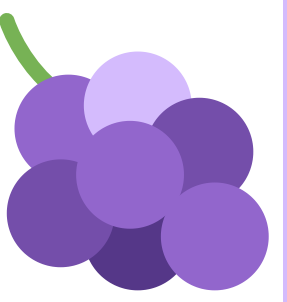
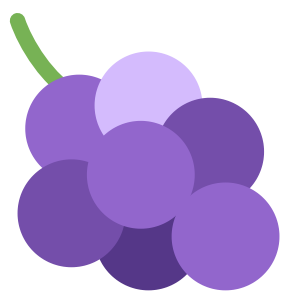
Area:



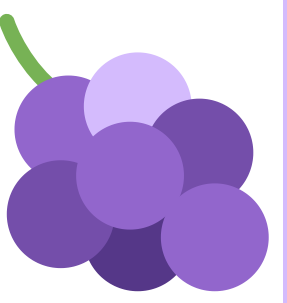
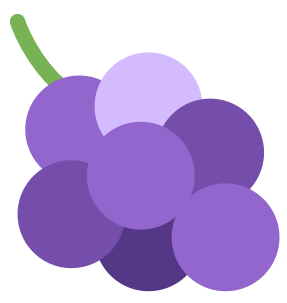
UNIT

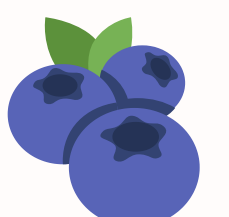
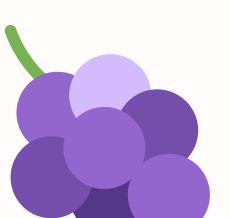
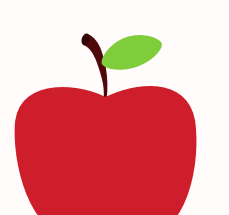
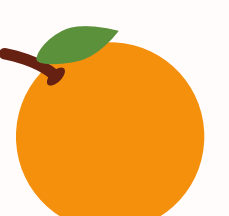
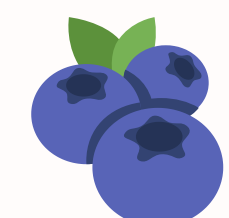
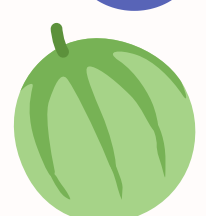
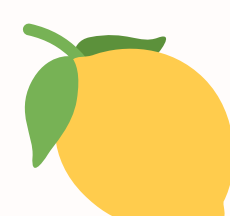
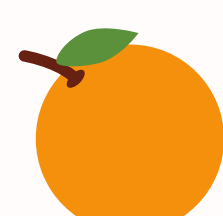
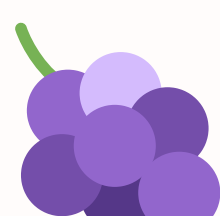
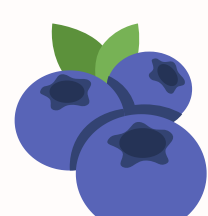
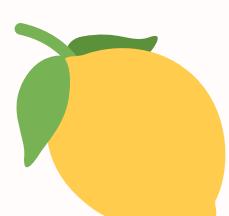
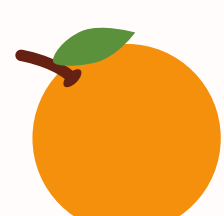
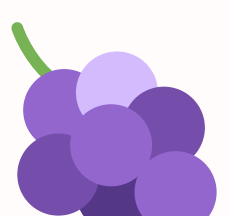
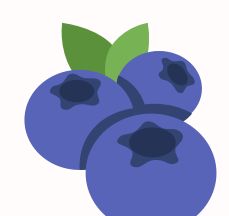
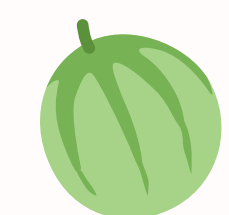
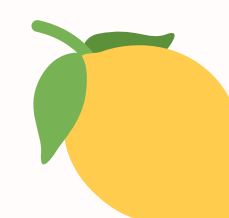
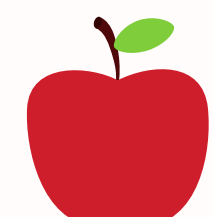
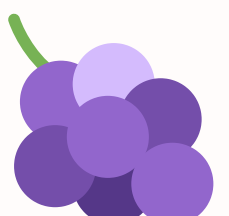
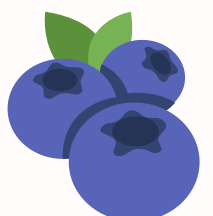
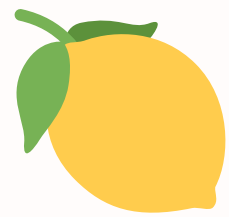
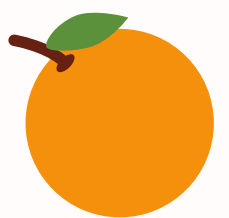
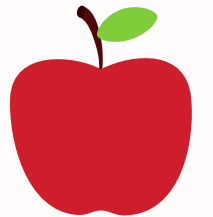
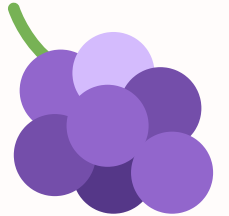
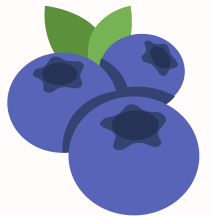
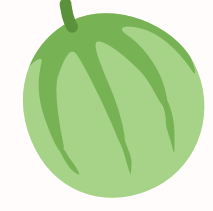
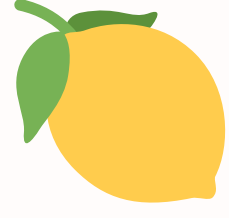
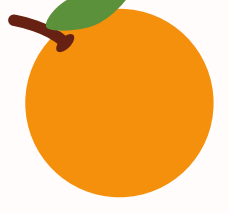
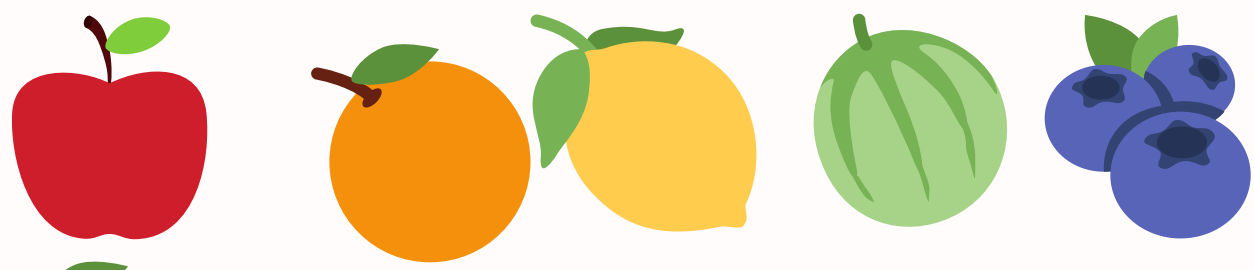
SIX



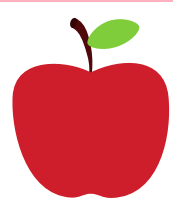


Test





Answers



Multiplication Problems

Answers

$1 \times 2 = 2$

$4 \times 6 = 24$

$3 \times 6 = 18$

$3 \times 9 = 27$

$8 \times 5 = 40$

$4 \times 9 = 36$

$9 \times 7 = 63$

$7 \times 4 = 28$

$2 \times 4 = 8$

$5 \times 6 = 30$

$5 \times 5 = 25$

$6 \times 5 = 30$

$9 \times 6 = 54$

$7 \times 4 = 28$

$8 \times 2 = 16$

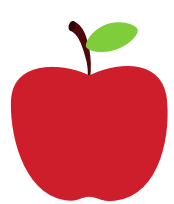
$8 \times 3 = 24$

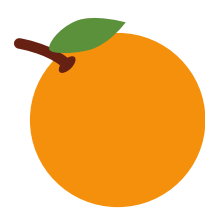
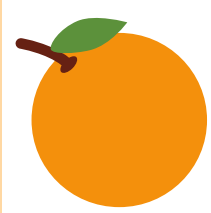
$4 \times 0 = 0$

$9 \times 2 = 18$

$6 \times 6 = 36$

$0 \times 8 = 0$





Addition Problems Answers

$$\begin{array}{r} 654 \\ + 133 \\ \hline 787 \end{array}$$

$$\begin{array}{r} 823 \\ + 46 \\ \hline 869 \end{array}$$

$$\begin{array}{r} 128 \\ + 20 \\ \hline 148 \end{array}$$

$$\begin{array}{r} 276 \\ + 100 \\ \hline 376 \end{array}$$

$$\begin{array}{r} 472 \\ + 427 \\ \hline 899 \end{array}$$

$$\begin{array}{r} 523 \\ + 134 \\ \hline 657 \end{array}$$

$$\begin{array}{r} 543 \\ + 53 \\ \hline 596 \end{array}$$

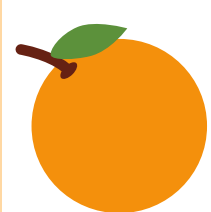
$$\begin{array}{r} 396 \\ + 12 \\ \hline 408 \end{array}$$

$$\begin{array}{r} 231 \\ + 63 \\ \hline 294 \end{array}$$

$$\begin{array}{r} 25 \\ + 24 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 121 \\ + 746 \\ \hline 867 \end{array}$$

$$\begin{array}{r} 452 \\ + 33 \\ \hline 485 \end{array}$$





Division Problems **Answers**

$55 \div 11 =$

$54 \div 6 =$

$72 \div 6 =$

$35 \div 7 =$

$24 \div 4 =$

$54 \div 9 =$

$81 \div 9 =$

$70 \div 7 =$

$20 \div 4 =$

$72 \div 8 =$

$40 \div 5 =$

$42 \div 6 =$

$21 \div 3 =$

$48 \div 8 =$

$18 \div 6 =$

$63 \div 9 =$

$27 \div 3 =$

$64 \div 8 =$

$45 \div 5 =$

$6 \div 3 =$

Grab a friend and race to finish first!

