3rd Basic

4th Advanced

Helping With Math

USA GRADES

Addition of Like Fractions

Suitable for students **aged 7-9**

This pack is suitable for learners aged 7-9 years old or 3rd and 4th graders (USA). The content covers fact files and relevant basic and advanced activities involving addition of like fractions.

- Fractions show equal parts of a whole.
- It has two parts: numerator and the denominator.
- Like Fractions are fractions with the same denominator.
- It is easy to perform operations on like fractions because only the numerators are affected by the operations while the denominators remain the same.

ADDITION OF LIKE FRACTIONS

Like Fractions are fractions having the same denominator.

Such as:

$^{2}/_{3}$, $^{5}/_{3}$, $^{7}/_{3}$

Steps:

1. Add the numerators. The denominators remain the same.

2. Simplify the fraction as needed.

Example:

$^{2}/_{5} + {}^{3}/_{5} = {}^{5}/_{5} = 1$

LET'S PRACTICE!

$^{1}/_{2} + {}^{3}/_{2} =$

$^{1}/_{4} + {}^{2}/_{4} =$

$^{1}/_{3} + {}^{2}/_{3} =$

$^{2}/_{3} + {}^{4}/_{3} =$

Remember!

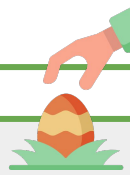
When the sum has a bigger numerator than the denominator and the numbers are divisible by one another, divide it for the fraction to be simplified.

TABLE OF ACTIVITIES

HIDE THE EGGS

G3 Basic

Help in hiding the eggs for the Easter Egg Hunt! To hide the eggs successfully, you must answer the following questions below. Encircle your answers.



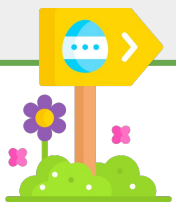
If $^{3}/_{6}$ is added to $^{5}/_{6}$, what is its sum? **$^{7}/_{6}$ or $^{4}/_{3}$**

When $^{3}/_{4}$ and $^{6}/_{4}$ are added together, what could be its sum? **$^{9}/_{4}$ or $^{9}/_{8}$**

When $^{7}/_{8}$ and $^{5}/_{8}$ are added together, what is the sum? **$^{3}/_{2}$ or $^{3}/_{4}$**

Find the sum of $^{2}/_{6}$ and $^{5}/_{6}$. **$^{7}/_{6}$ or $^{7}/_{12}$**

Find the sum of $^{4}/_{3}$ and $^{5}/_{3}$. **$^{3}/_{2}$ or 3**



CROSS IT OUT

G3 Basic

There are wrong boxes of eggs delivered to us. Cross out the box with the wrong statement from each of the rows below.

A. The sum of $^{7}/_{8}$ and $^{6}/_{8}$ is $^{15}/_{8}$	B. The sum of $^{6}/_{5}$ and $^{3}/_{5}$ is $^{9}/_{5}$	C. The sum of $^{7}/_{3}$ and $^{5}/_{3}$ is 4
A. 3 is the sum of $^{5}/_{4}$ and $^{7}/_{4}$	B. $^{13}/_{6}$ is the sum of $^{9}/_{6}$ and $^{4}/_{6}$	C. $^{17}/_{2}$ is the sum of $^{10}/_{2}$ and $^{15}/_{2}$
A. The sum of $^{13}/_{5}$ and $^{9}/_{5}$ is $^{22}/_{5}$	B. The sum of $^{7}/_{8}$ and $^{9}/_{8}$ is 3	C. The sum of $^{7}/_{3}$ and $^{5}/_{3}$ is 4
A. $^{7}/_{5}$ added to $^{3}/_{5}$ is 2	B. $^{12}/_{4}$ added to $^{6}/_{4}$ is 5	C. $^{12}/_{5}$ added to $^{6}/_{5}$ is 4
A. The sum of $^{13}/_{5}$ and $^{7}/_{5}$ is 4	B. The sum of $^{25}/_{6}$ and $^{10}/_{6}$ is 7	C. The sum of $^{13}/_{7}$ and $^{8}/_{7}$ is 3

COLOR THE EGGS

G3 Basic

Help Lily find all the eggs in pair. Shade the eggs that match each other with the same color.

$\frac{4}{7} + \frac{2}{7}$	7	$\frac{7}{8} + \frac{7}{8}$	$\frac{11}{5}$
$\frac{6}{2} + \frac{8}{2}$	1	$\frac{6}{7}$	$\frac{4}{6} + \frac{2}{6}$
$\frac{7}{4}$	$\frac{3}{4} + \frac{5}{4}$	$\frac{3}{5} + \frac{8}{5}$	2

Hi there! The eggs must be in pairs. Can you help me match them?

PREPARING FOR EASTER

G3 Basic

Easter Sunday is coming! Help in preparing for this event and answer the following problems below.

1. Karen brought $^{3}/_{7}$ basket of eggs while Lucy brought $^{5}/_{7}$ basket of eggs. How much eggs did they bring?

2. $^{4}/_{6}$ red paint and $^{2}/_{6}$ white paint is needed to paint the eggs. How much paint is needed in total?

3. $^{5}/_{8}$ rose seedlings and $^{2}/_{8}$ sunflower seedlings were planted for Easter Sunday. How much seedlings were planted in total?

4. $^{4}/_{5}$ of the eggs were already painted and $^{3}/_{5}$ of the eggs still need to be painted. How many eggs are there in total?

5. $^{5}/_{2}$ of tulips were already growing while $^{3}/_{2}$ are still seedlings. How many seedlings are there in total?

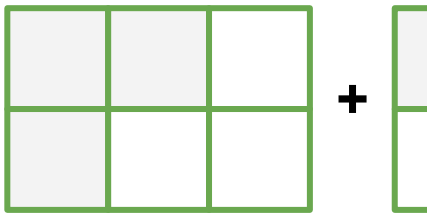
6. $^{6}/_{7}$ basket of eggs were ordered together with $^{3}/_{7}$ carrots. How many orders were there in total?

PARTS OF THE CHOCOLATE

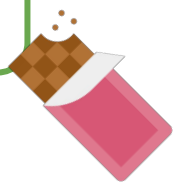
G3 Basic

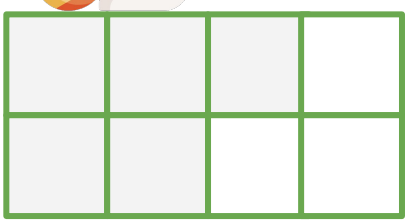
Chocolate bars will be given to the children as treats. Below are shaded bars with equivalent fractions. Add the fractions and write the sum in the spaces provided. An example is given to guide you.

Example:



$^{3}/_{6}$ + $^{2}/_{6}$ = $^{5}/_{6}$





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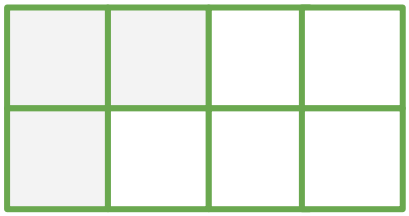

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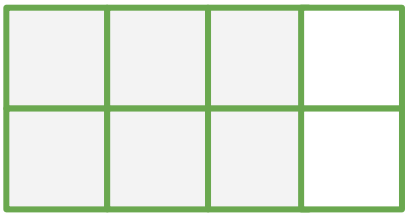

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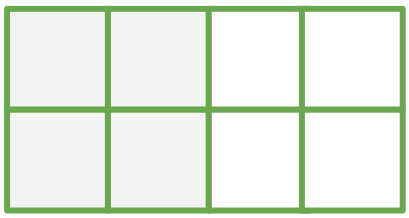

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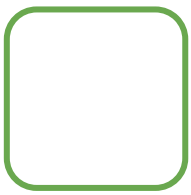

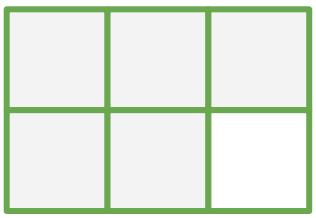

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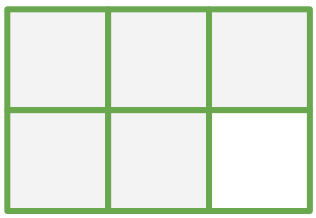

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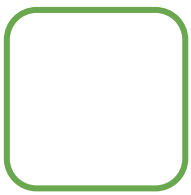

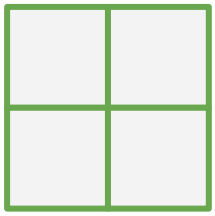

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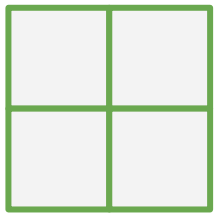

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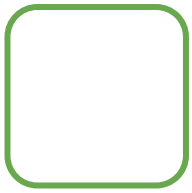
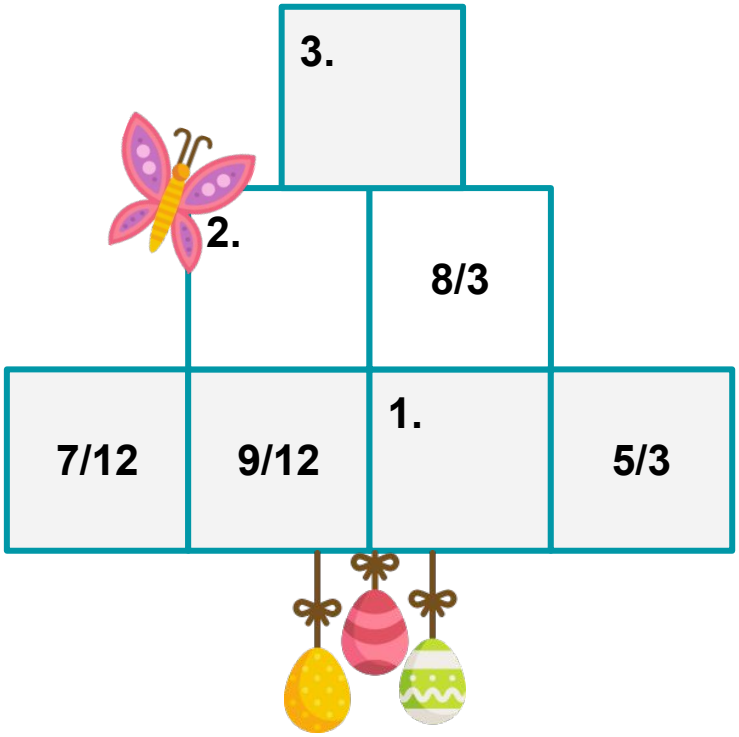
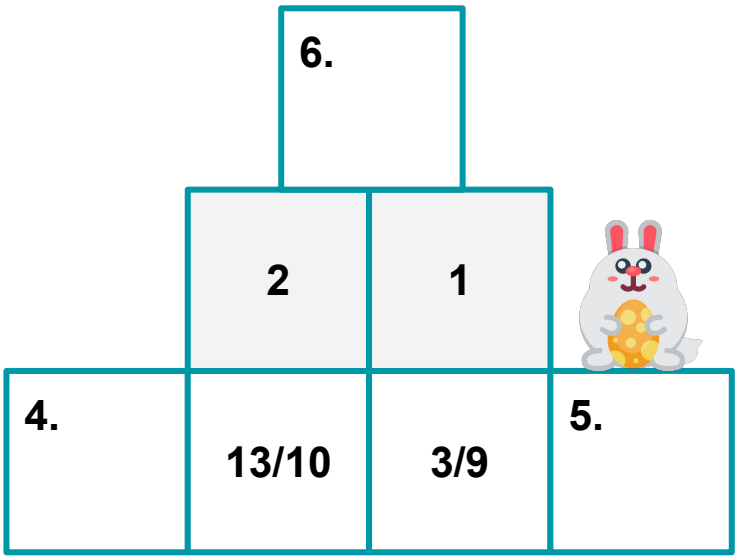


TOWER OF TREATS

G4 Advanced

The head of the event is making a tower of treats. To complete the tower, complete the equations below. The top box is the total sum of the equations. Use the space provided for your solutions.





FIND THE EGGS

G4 Advanced

Help the children in finding the eggs. Fill in the blanks to complete the equations below. Take note that the given answers are already simplified.

$\frac{6}{11} + \square + \frac{10}{11} = 2$

$\square + \frac{7}{12} + \frac{6}{12} = \frac{5}{3}$

$\frac{7}{9} + \frac{7}{9} + \square = 3$

$\frac{6}{12} + \frac{5}{12} + \frac{7}{12} = \square$

FINAL PREPARATIONS

G4 Advanced

Everything is prepared for the Easter event. Upon checking, one last thing needs to be done. Answer all the questions below using the guide given above.

 = $^{7}/_{12}$  = $^{16}/_{12}$

 = $^{15}/_{12}$  = $^{13}/_{12}$

What is the sum of the chick and rabbit?

 +  = ☐

What is the sum of the rabbit and egg?

 +  = ☐

What is the sum of the chick and flowers?

 +  = ☐

What is the sum of the chick and egg?

 +  = ☐

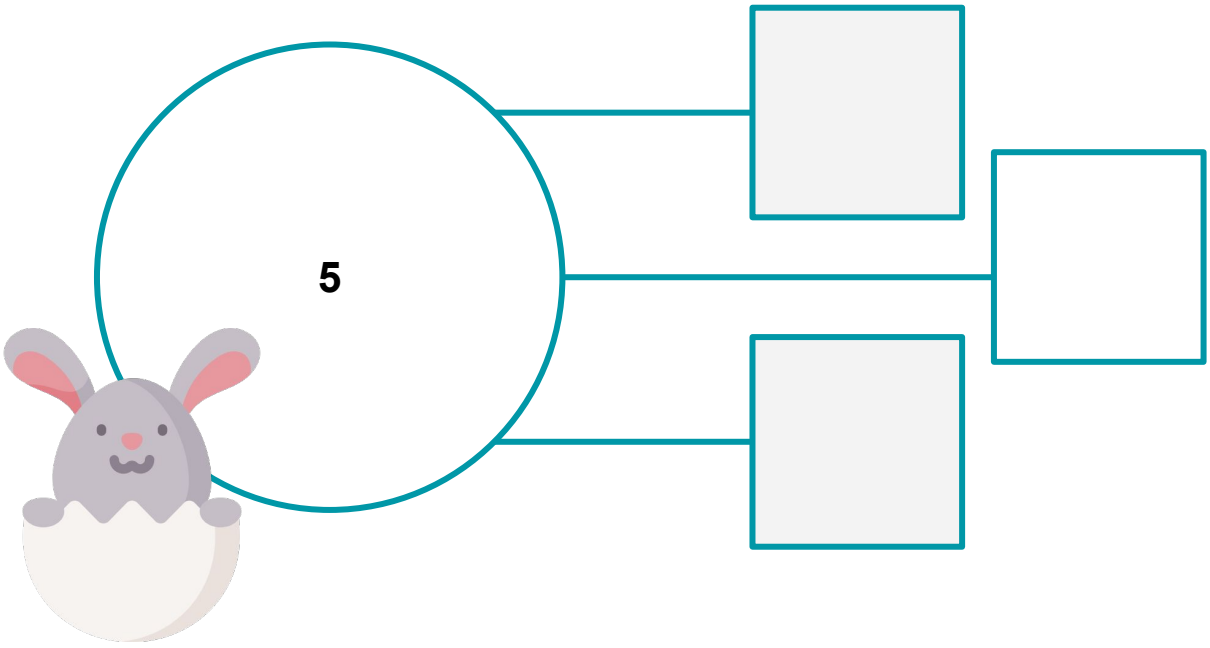
What is the sum of the egg and flower?

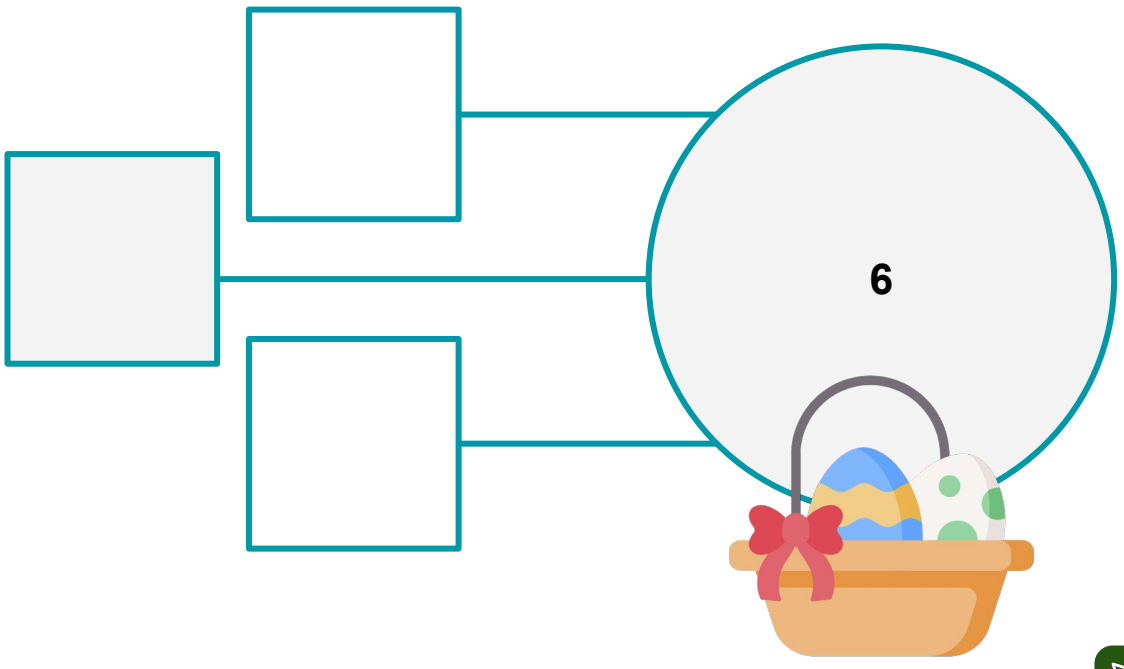
 +  = ☐

SPECIAL TREAT

G4 Advanced

Prepare a special treat for the kids. Supply three addends that when added will have a sum of what is written inside the circle. Remember that answers must be in fraction form.





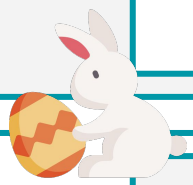
WHO WON?

G4 Advanced

The most exciting part of the event is the announcement of the winners. Help in determining the winners by answer the questions below.

The Easter Egg Hunting has already begun. The children are going around the park to find as many eggs as they can. Alex, the youngest kid, was able to find $^{3}/_{9}$ of the hidden eggs. Kurt, the second oldest, was able to find $^{4}/_{9}$ of the eggs, while Amanda and Angela, the twins, both found $^{1}/_{9}$ each of the eggs.

How many eggs in total did Alex and Kurt find?

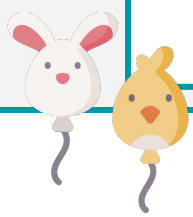


How many eggs in total did the twins find?

How many eggs in total did Kurt and the twins find?

How many eggs in total did Alex and Amanda find?

How many eggs in total did Alex and the twins find?



ANSWER GUIDE

Activity 1

1. $^{3}/_{6} + {}^{5}/_{6} = {}^{4}/_{3}$
2. $^{3}/_{4} + {}^{6}/_{4} = {}^{9}/_{4}$
3. $^{7}/_{8} + {}^{5}/_{8} = {}^{3}/_{2}$
4. $^{2}/_{6} + {}^{5}/_{6} = {}^{7}/_{6}$
5. $^{4}/_{3} + {}^{5}/_{3} = 3$

Activity 2

1. A
2. C
3. B
4. C
5. B

Activity 3

$^{4}/_{7} + {}^{2}/_{7} = {}^{6}/_{7}$
$^{6}/_{2} + {}^{8}/_{2} = 7$
$^{3}/_{4} + {}^{5}/_{4} = 2$
$^{3}/_{5} + {}^{8}/_{5} = {}^{11}/_{5}$
$^{7}/_{8} + {}^{7}/_{8} = {}^{7}/_{4}$
$^{4}/_{6} + {}^{2}/_{6} = 1$

Activity 4

1. $^{3}/_{7} + {}^{5}/_{7} = {}^{10}/_{7}$
2. $^{4}/_{6} + {}^{2}/_{6} = 1$
3. $^{5}/_{8} + {}^{2}/_{8} = {}^{7}/_{8}$
4. $^{4}/_{5} + {}^{3}/_{5} = {}^{7}/_{5}$
5. $^{5}/_{2} + {}^{3}/_{2} = 4$
6. $^{6}/_{7} + {}^{3}/_{7} = {}^{9}/_{7}$

Activity 5

1. $^{5}/_{8} + {}^{3}/_{8} = 1$
2. $^{6}/_{8} + {}^{4}/_{8} = {}^{5}/_{4}$
3. $^{5}/_{6} + {}^{5}/_{6} = {}^{5}/_{3}$
4. $^{4}/_{4} + {}^{4}/_{4} = 2$

ANSWER GUIDE

Activity 6

1. $^{2}/_{3}$
2. $^{4}/_{3}$
3. 4
4. $^{7}/_{10}$
5. $^{6}/_{9}$
6. 3

Activity 7

1. $^{6}/_{11}$
2. $^{7}/_{12}$
3. $^{13}/_{9}$
4. $^{3}/_{2}$

Activity 8

1. $^{7}/_{12} + {}^{15}/_{12} = {}^{11}/_{6}$
2. $^{15}/_{12} + {}^{16}/_{12} = {}^{31}/_{12}$
3. $^{7}/_{12} + {}^{13}/_{12} = {}^{5}/_{3}$
4. $^{7}/_{12} + {}^{16}/_{12} = {}^{23}/_{12}$
5. $^{16}/_{12} + {}^{13}/_{12} = {}^{29}/_{12}$

Activity 9

1. $^{10}/_{5} + {}^{10}/_{5} + {}^{5}/_{5}$
2. $^{14}/_{6} + {}^{16}/_{6} + {}^{6}/_{6}$

**Answers may still vary.*

Activity 10

1. $^{3}/_{9} + {}^{4}/_{9} = {}^{7}/_{9}$
2. $^{1}/_{9} + {}^{1}/_{9} = {}^{2}/_{9}$
3. $^{4}/_{9} + {}^{1}/_{9} + {}^{1}/_{9} = {}^{2}/_{3}$
4. $^{3}/_{9} + {}^{1}/_{9} = {}^{4}/_{9}$
5. $^{3}/_{9} + {}^{1}/_{9} + {}^{1}/_{9} = {}^{5}/_{9}$

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