



2nd Basic  
3rd Advanced

# Helping With Math

USA GRADES

## Fact Family: Word Problems

Suitable for students  
**aged 6-8**

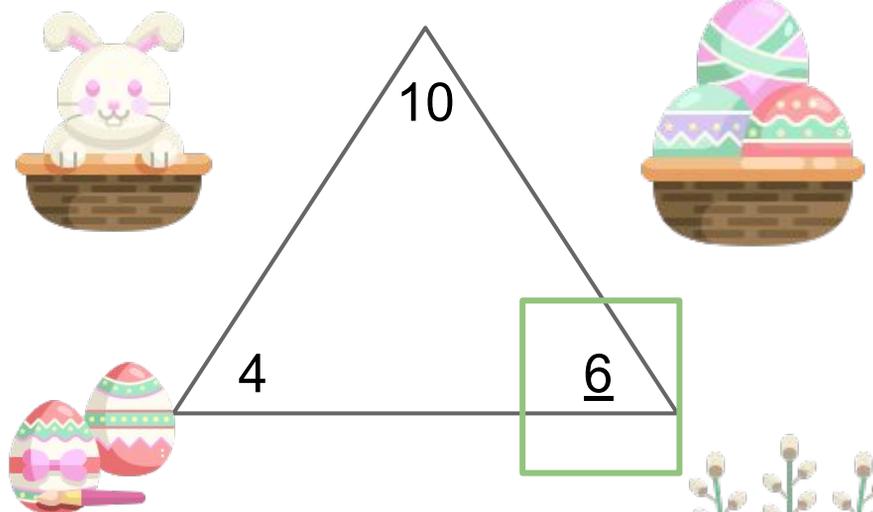


This pack is suitable for learners aged 6-8 years old or 2nd to 3rd grades (USA). The content covers fact files and relevant basic and advanced activities involving fact family word problems.



Here comes Easter Day! Luna, the rabbit, wants to give easter eggs to her friends. She has 10 neighbor friends.

In the meantime, she can only give 4 decorated easter eggs. How many more decorated easter eggs should she give?



Easter is a Christian festival celebrated to commemorate the resurrection of Jesus. In some countries, it is associated to harvest time.

To get the missing number, we must subtract 10 from 4 (based on the given) to get the number of easter eggs that she would give. Therefore,  $10 - 4 = 6$  easter eggs.



## CONCEPTS

**Fact family** is a collection of related addition and subtraction facts, or multiplication and division facts made from the same numbers.



### Note:

- While adding within the fact family, always add the smaller numbers.
- While multiplying within the fact family, always multiply the smaller number to ensure that the resulting number lies in the family.
- While subtracting within the fact family, the minuend must be the largest number of the family.
- While division within the fact family, the dividend must be the largest number of the family.



### -Word Problem-

Charlie has 4 baskets to put his easter eggs. Each basket contains 3 eggs. How many easter eggs are there in total?

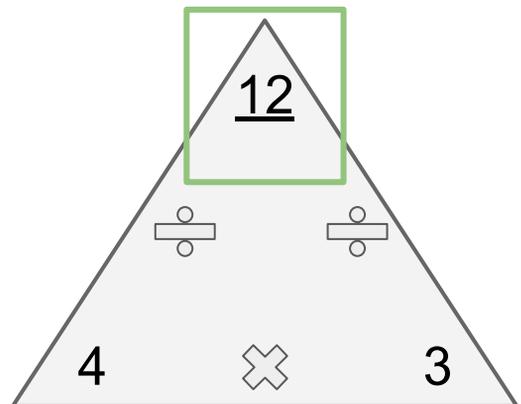
There are 4 baskets with 3 eggs each, we just have to multiply it to get the whole number. Therefore,  $4 \times 3 = 12$ . Since it belongs to the same fact family, we can write it in 3 more equations.

$$4 \times 3 = 12$$

$$3 \times 4 = 12$$

$$12 \div 4 = 3$$

$$12 \div 3 = 4$$



# TABLE OF ACTIVITIES

<b>Ages 6-7</b> (Basic) <span style="float: right;"><u>2nd Grade</u></span>	
1	Bunnies Tasks
2	This Year's Easter Egg Hunt!
3	Happy Easter!
4	The Smart Bunny
5	Way to Go, Bunny Amy!
<b>Ages 7-8</b> (Advanced) <span style="float: right;"><u>3rd Grade</u></span>	
6	M-Easter-Y
7	The Decorated Eggs
8	Easter Egg Hunt Part 2
9	D.I.Y. Easter Eggs
10	Find the Math-Ch

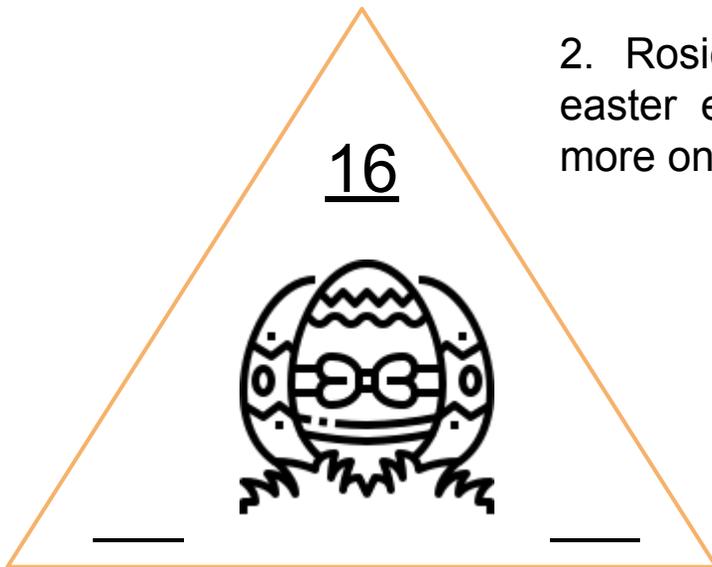
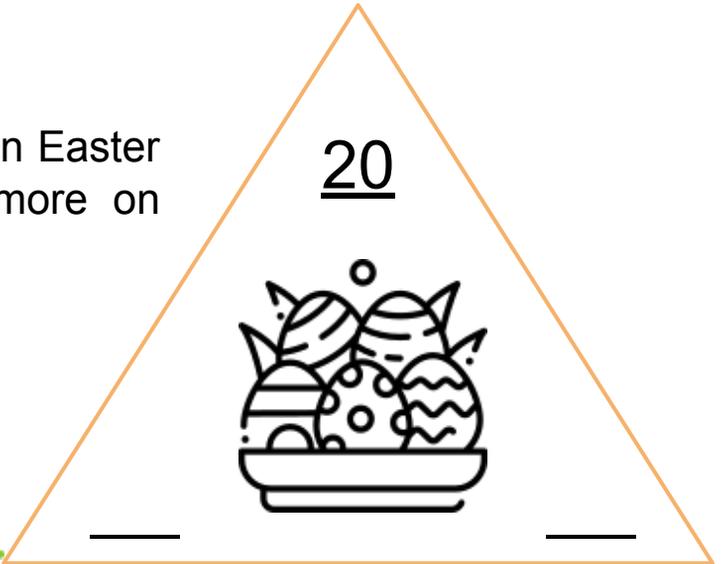


# BUNNIES TASKS

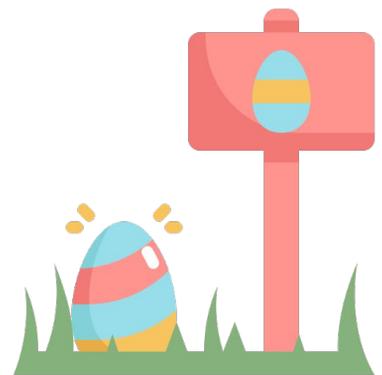
G2  
Basic

Complete the fact family triangle. Afterwards, color the easter egg inside the triangle.

1. Oliver needs to paint thirteen Easter eggs on Friday and seven more on Saturday.



2. Rosie needs to decorate eleven easter eggs on Wednesday and five more on Thursday.



# THIS YEAR'S EASTER EGG HUNT!

G2  
Basic

Apply your knowledge of creating addition sentence. Use the situation below to write them.

1. The St. Peter Church will be conducting Easter Egg Hunt on Sunday! There will be eight girl participants and six boy participants. How many children are there in all?



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2. The St. John Church will be hosting Easter Egg Hunt on Sunday! There are eighteen children who registered. Thirteen of them are boys. How many of them are girls?

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# HAPPY EASTER!

G2  
Basic

Help Travis and his siblings to complete their tasks this Easter. Do not forget to greet everyone with a Happy Easter!

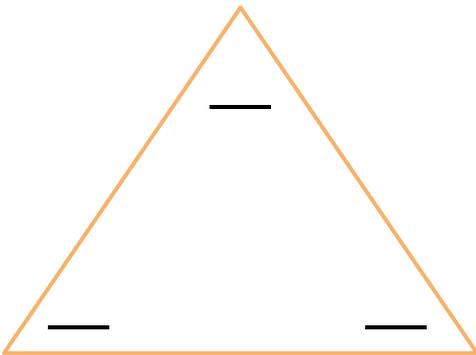


Hi! We are Travis and Stefania. Every Easter, we collect Easter eggs and are planning to give them to our youngest brother, James. Help us complete the fact families.

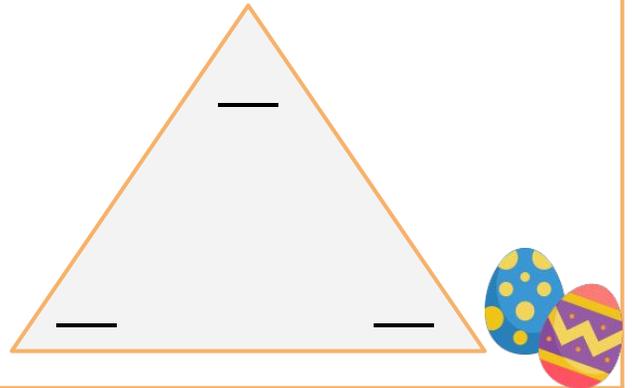
Travis

Stefania

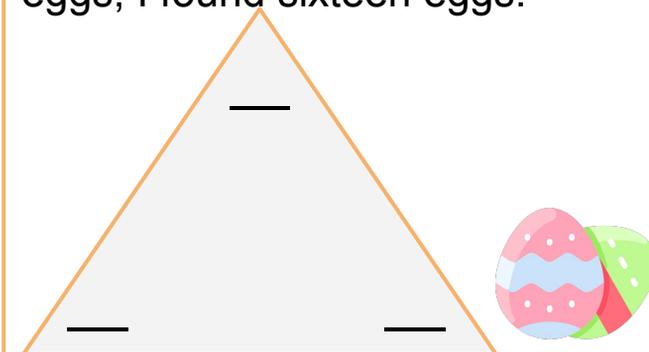
1. In 2018, I collected 5 more than 20 and 5 more than 70 eggs.



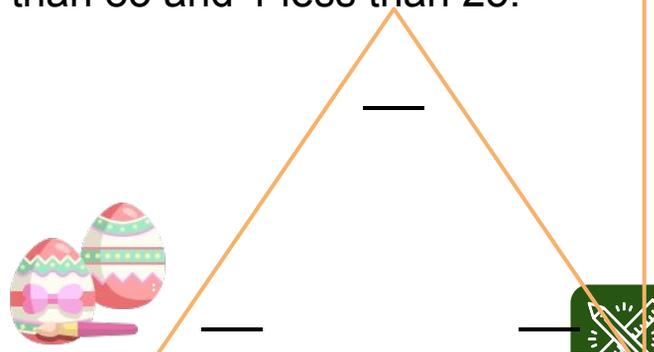
3. In 2020, out of 85 easter eggs, I collected forty eggs.



2. In 2019, out of 67 easter eggs, I found sixteen eggs.



4. In 2021, I collected 7 less than 83 and 1 less than 25.



# THE SMART BUNNY

G2  
Basic

Help this clever bunny to figure out the answer to the following questions. Encircle the letter of your choice.

Help me solve and answer the different problems below to get unlimited Easter eggs!



1. What number should go in the blank to make the number sentence true?

$$49 + \underline{\quad} = 99$$

- A 30                      C 50  
B 40                      D 60

2. Three of the number sentences belong to the same fact family. Which one does not belong?

- A  $86 - 62 = 24$   
B  $86 - 24 = 62$   
C  $86 + 24 = 110$   
D  $62 + 24 = 86$

3. Whitey the rabbit used the fact,  $67 + 33 = 100$  to solve a different problem. Which of the following could be the problem she was trying to solve?

- A  $100 - \underline{\quad} = 33$   
B  $33 + \underline{\quad} = 63$   
C  $63 - 33 = \underline{\quad}$   
D  $100 + 63 = \underline{\quad}$

4. What number should go in the blank to make the number sentence true?

$$84 - \underline{\quad} = 69$$

- A 12                      C 14  
B 13                      D 15

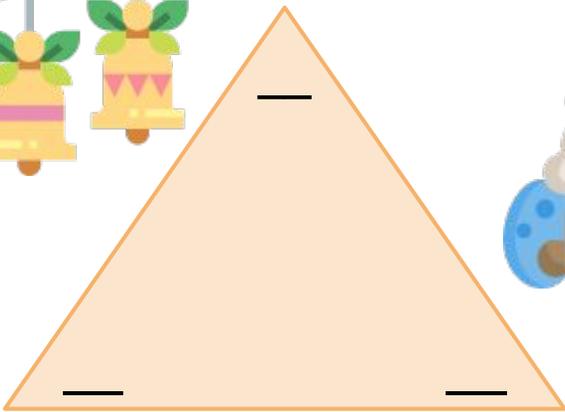


# WAY TO GO, BUNNY AMY!

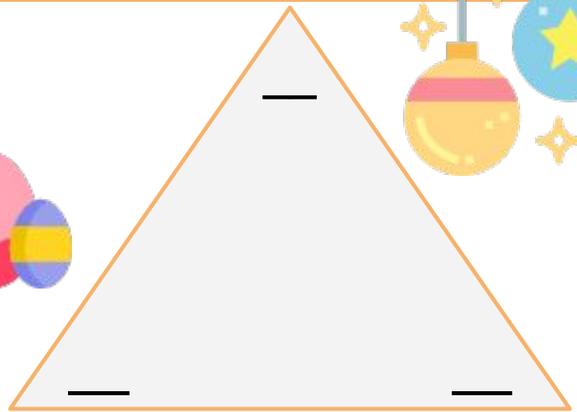
G2  
Basic

This Easter, help Bunny Amy complete the fact family triangle and write four equations related to it.

1. There are seven bunnies in the church who are finding easter eggs. There are nine bunnies in the other church doing the same thing.



2. There are seventy-five easter eggs to be hunted. Thirty-two of them were already found by the children. How many are left to be found?



$$\square + \square = \square$$

$$\square + \square = \square$$

$$\square - \square = \square$$

$$\square - \square = \square$$

$$\square + \square = \square$$

$$\square + \square = \square$$

$$\square - \square = \square$$

$$\square - \square = \square$$



Solve these Easter mysteries by solving each math task. Encircle the letter of your choice.

1. What number should go in the blank to make the number sentence true?  $9 \times \underline{\quad} = 45$

A 8  
B 7

C 6  
D 5



2. Three of the number sentences do not belong to the same fact family. Which one is exempted?



A  $96 \times 8 = 104$   
B  $12 \times 8 = 96$

C  $8 \times 12 = 20$   
D  $96 \times 12 = 108$

3. Charlie the bunny used  $6 \times 15 = 90$  to solve a different problem. Which of the following could be the problem he was trying to solve?

A  $90 \times 6 = \underline{\quad}$   
B  $15 \times 6 = \underline{\quad}$

C  $6 \times \underline{\quad} = 15$   
D  $15 \times \underline{\quad} = 6$



4. What number should go in the blank to make the number sentence true?  $3 \times \underline{\quad} = 75$

A 23  
B 24

C 25  
D 26



# THE DECORATED EGGS

G3  
Advanced

Find out the math task behind these decorated eggs this Easter. Write the multiplication sentence in words and complete the multiplication equation.

1. The All-Star Shop sold twenty-seven eggs yesterday. Today, they sold three times than that. How many eggs does the shop sell in total?

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$$\square \times \square = \square$$
$$\square \times \square = \square$$



2. Carina has decorated fourteen eggs for the Easter party on Friday. This Saturday, she will decorate twice the number of eggs she did last Friday. How many eggs will be decorated in total?

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$$\square \times \square = \square$$
$$\square \times \square = \square$$

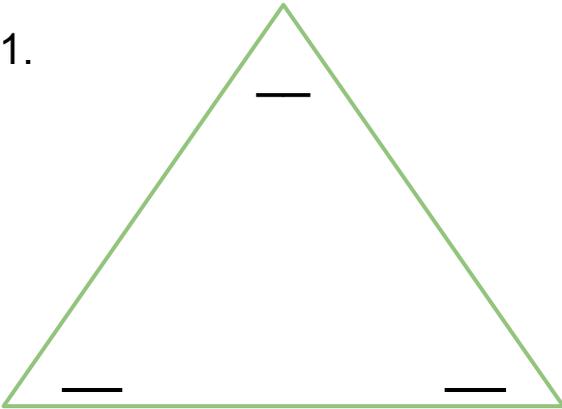


# EASTER EGG HUNT PART 2

G3  
Advanced

These children are having fun in participating the Easter Egg Hunt. Join them as you complete the division fact family.

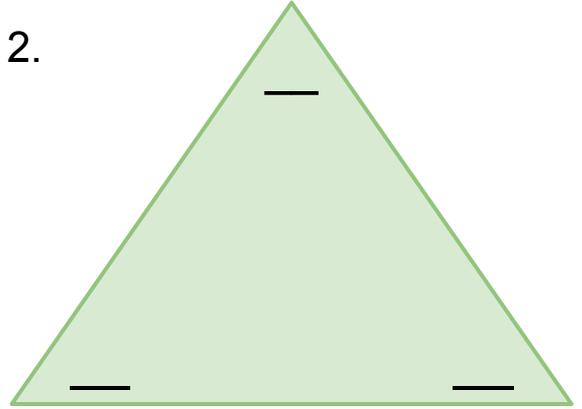
1.



$$\square \div \square = \square$$

$$\square \div \square = \square$$

2.



$$\square \div \square = \square$$

$$\square \div \square = \square$$

The children are having an Easter Egg Hunt in the church. The personnel have 80 eggs, and each child has found 5. How many children are there in the church?

Mrs. Grey donated flowers for the Easter celebration. She picked 95 roses. There are 5 vases for the roses. How many flowers will she put in each vase?

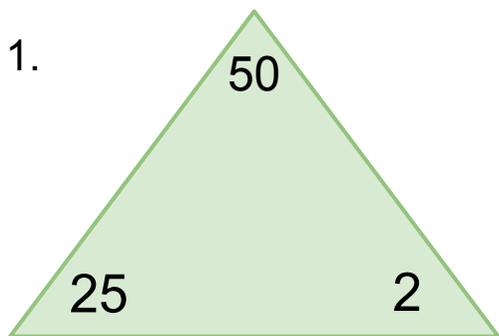


# D.I.Y. EASTER EGGS

G3  
Advanced

Want to try making your math problem while celebrating Easter with eggs and bunnies? Write your division word problem based on the given fact family.

1.



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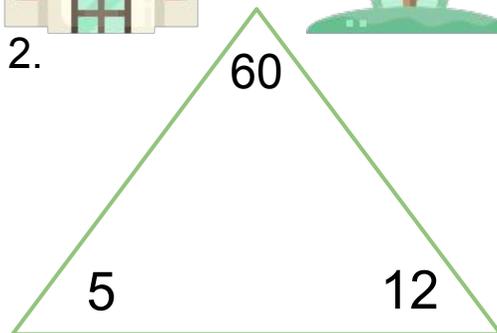
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2.



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# FIND THE MATH-CH

G3  
Advanced

Enjoy the celebration of Easter by matching the corresponding multiplication and division sentences with the word problem that describes them.

1.

$$4 \times 25 = 100$$



2.

$$25 \times 4 = 100$$



3.

$$100 \div 4 = 25$$



4.

$$100 \div 25 = 4$$



Meredith has 100 Easter eggs. She placed them into a basket, and each basket had 4 Easter eggs. How many baskets contains easter eggs?

Alex has 25 baskets to put his collected Easter eggs. Each basket has 4 eggs inside. How many Easter eggs were there?

George has 4 baskets to put his collected Easter eggs. Each basket had 25 eggs inside. How many Easter eggs were there?

Cristina has 100 Easter eggs. She placed them into a basket, and each basket has 25 Easter eggs. How many baskets contains easter eggs?



# ANSWER GUIDE

## Activity 1

1.  $13 + 7$
2.  $11 + 5$

## Activity 3

1.  $25+75=100$
2.  $67-16=51$
3.  $85-40=45$
4.  $76+24=100$

## Activity 5

- |             |               |
|-------------|---------------|
| 1. $7+9=16$ | 2. $75-32=43$ |
| $9+7=16$    | $75-43=32$    |
| $16-9=7$    | $32+43=75$    |
| $16-7=9$    | $43+32=75$    |

## Activity 7

1. Twenty-seven times three is equal to eighty-one  
 $27 \times 3 = 81$ ;  $3 \times 27 = 81$
2. Fourteen times two is equal to twenty-eight  
 $14 \times 2 = 28$ ;  $2 \times 14 = 28$

## Activity 2

1. Eight plus six is equal to fourteen.
2. Eighteen minus thirteen is equal to five.

## Activity 4

- |      |      |
|------|------|
| 1. C | 3. A |
| 2. C | 4. D |

## Activity 6

- |      |      |
|------|------|
| 1. D | 3. B |
| 2. B | 4. C |

## Activity 8

1.  $80 \div 5 = 16$ ;  $80 \div 16 = 5$
2.  $95 \div 5 = 19$ ;  $95 \div 19 = 5$

## Activity 9

Answers may vary.

## Activity 10

- |           |             |
|-----------|-------------|
| 1. George | 3. Meredith |
| 2. Alex   | 4. Cristina |



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