



## Rising 4th Grade 2021 Math Summer Packet

Happy July! I hope you are having a great summer.

Believe it or not, school starts in five weeks. For the rest of the summer, your assignment is to spend 10-15 minutes each day on math. It is important to practice EVERY day because if you don't use it, you might lose it!

This notebook includes four weeks of work. Since there are five weeks of summer remaining you can decide which week you want to take a break.

The weekly assignments include:

- Numbers of the Week - practice your multiplication facts for these numbers every day.
- Problem of the Day - complete both problems by the end of the week. You select which days.
- Worksheets - complete one worksheet each day.

When we return to school, turn in your Summer Math binder with your assignments completed to receive your first grade for 4th grade math.

If you have any questions, send me an e-mail and I will be happy to help.

Love,

Mrs. Moussouri

[kmoussouri@stmartinschool.org](mailto:kmoussouri@stmartinschool.org)

# Multiplication Fact Choice Board

★ GOAL: 10-15 minutes of fact practice a day! ★

## [Iknowit.com](http://Iknowit.com)

\*Scroll to the Basic Multiplication & Division section and explore any of the activities.

## Multiplication War

Play with someone at home.  
See below for directions.



Key: Jack = 10 Queen = 11  
King = 12 Ace = 1

## [KhanAcademy.com](http://KhanAcademy.com)

Go to KhanAcademy.com and complete the practice problems for the number or numbers of the week.



## Jumping Jack Skip Counting

For example, skip count by 5's up to 60 (aloud) while you complete a jumping jack for each multiple.



## The Drill

See "Numbers of the Week" for directions.



## Yahtzee

Play a family game of Yahtzee.



Be sure to keep your own score!

## Multiplication War

1. Remove the Jacks, Kings and Queens from a regular deck of cards. Shuffle.
2. Players place cards face down in a pile.
3. At the count of three, both players flip over their top 2 cards.
4. The person with the higher product receives the cards and puts them in a separate pile. You have to say the product correctly to win the cards!
5. If the products are the same, the cards are put in the middle of the table.
6. The next player to win the "flip" gets the cards in the middle of the table in addition to the cards just played.
7. The winner is the person with the most cards at the end of play

# Week 1 - Numbers of the Week

Monday

- Fill in the Multiplication Chart for the numbers of the week (pencil & paper).
- Make flash cards for the ones you don't know.

Tuesday-Friday

- Review the flash cards you made on Monday. Add to the cards from the previous week.
- Complete 1 activity from the Multiplication Choice Board each day.

## The Drill - Multiplication Facts Up and Down

If possible, find a partner (or partners) to help you with this activity.

1. Person 1 starts by saying the product of the number times 1.
2. Person 2 says the product of the number times 2.
3. Person 3 says the product of the number times 3.
4. Take turns until you get to the product of number times 12 then take turns working your way back to the product of the number times 1. For example, if you have 3 players:

| <u>Player 1</u> | <u>Player 2</u> | <u>Player 3</u> |
|-----------------|-----------------|-----------------|
| 2               | 4               | 6               |
| 8               | 10              | 12              |
| 14              | 16              | 18              |
| 20              | 22              | 24              |
| 22              | 20              | 18              |

5. Time yourself. Record your time and see if you can improve it each day.

[illegible]

# Problem of the Day

## Summer Work Week 1

There are 208 people in one movie theater watching Toy Story 4. There are 78 fewer people in the next movie theater watching Frozen 2.

1. How many people are watching Frozen 2?

2. How many people are watching movies in both movie theaters?

### Mark

Mark the end of each sentence with a highlighter.

### Read

Read the first sentence.

### Pause

Pause to visualize the information in the sentence.

### Show

Show the important information from that sentence. Repeat for the remaining sentences.

# Problem of the Day

## Summer Work Week 1

Stephen walked his dog twice a day, for 8 days. Suzy walked her dog three times a day for 4 days. Whose dog was walked more times? How many more?

1. How many times did Stephen walk his dog?

2. How many times did Suzy walk her dog?

3. What is the difference?

# Rising 4th - Summer Work

Name: \_\_\_\_\_

## Rounding - Week 1

### Round to the nearest 100

|  |                      |                        |
|--|----------------------|------------------------|
| <p>1.</p> <p>66</p> <p>Is 66 closer to 0 or 100?</p> <p>answer:</p> <p>100</p> | <p>2.</p> <p>829</p> | <p>3.</p> <p>572</p>   |
| <p>4.</p> <p>949</p>   | <p>5.</p> <p>209</p> | <p>6.</p> <p>1,301</p> |

## Multiplication - Week 1

Write two multiplication sentences for the picture.

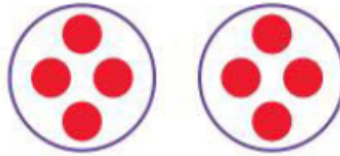
1.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

2.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

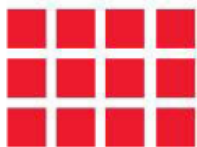
3.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

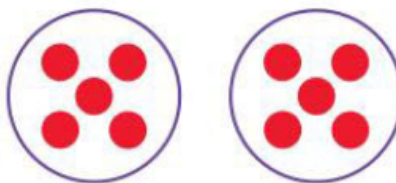
4.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

5.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

6.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

# Rising 4th - Summer Work

Name: \_\_\_\_\_

## Place Value - Week 1

What is the value of the underlined digit?

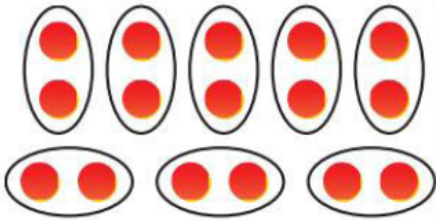
|   |                                   |                                 |
|---|-----------------------------------|---------------------------------|
| <p>1.</p> <p><u>1</u>,256</p> <p>answer:</p> <p>1,000</p> | <p>2.</p> <p>23,<u>4</u>42</p>    | <p>3.</p> <p>6,8<u>7</u>9</p>   |
| <p>4.</p> <p><u>7</u>,682</p>                             | <p>5.</p> <p>1,999,0<u>9</u>2</p> | <p>6.</p> <p>538,<u>2</u>04</p> |



**Division - Week 1**

**Write a division equation for each picture.**

**1.**

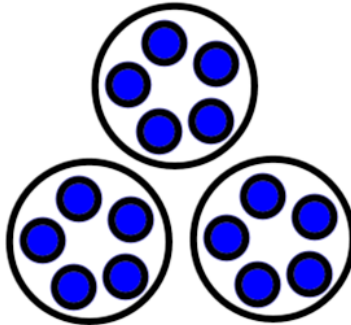


\_\_\_\_\_

**Answer:**

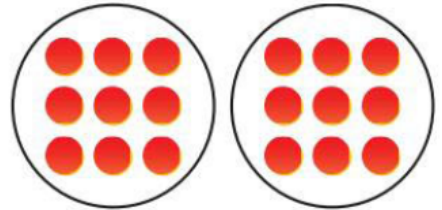
$$16 \div 8 = 2$$

**2.**



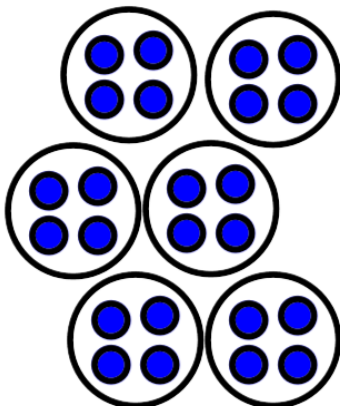
\_\_\_\_\_

**3.**



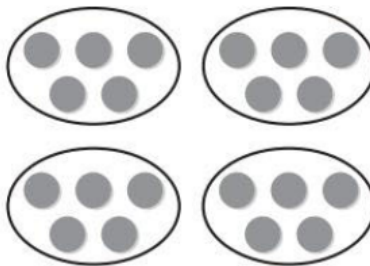
\_\_\_\_\_

**4.**

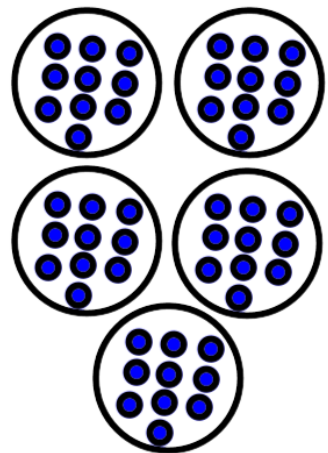


\_\_\_\_\_

**5.**



**6.**



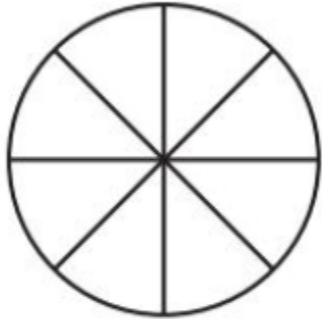
\_\_\_\_\_

**Fractions - Week 1**

**Shade the amount and/or write the fraction.**

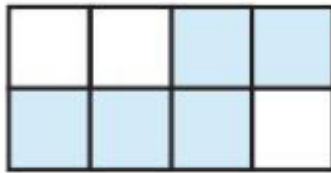
**1.**

six out of eight



\_\_\_\_\_

**2.**



**Write the fraction of the shaded part:**

\_\_\_\_\_

**3.**

four out of six



\_\_\_\_\_

**4.**

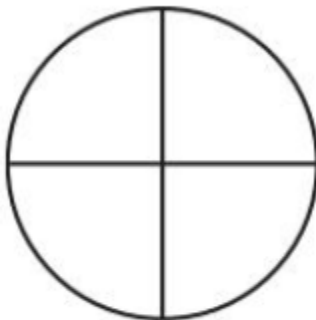


**Write the fraction of the shaded part:**

\_\_\_\_\_

**5.**

three fourths



\_\_\_\_\_

**6.**



**Write the fraction of the shaded part:**

\_\_\_\_\_



# Problem of the Day

Summer Work Week 2

The SMES Tech Store had a big sale. The store had 142 computers in stock. During the sale, 91 computers were sold. How many computers were not sold?

# Problem of the Day

## Summer Work Week 2

Mary Virginia has 2 cases of video games with the same number of games in each case. She gives 4 games to Harvey. Mary Virginia has 10 games left. How many video games were in each case?

1. How many games did Mary Virginia have in all?
2. Divide the total number of games into 2 groups to find the answer.

# Rising 4th - Summer Work

Name: \_\_\_\_\_

## Addition - Week 2

Find the sum using the strategy best for you.

1.

|  |   |   |   |
|--|---|---|---|
|  |   |   |   |
|  |   | 5 | 6 |
|  | + | 3 | 2 |
|  |   |   |   |

2.

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 1 | 6 | 4 |
| + | 2 | 3 | 0 |
|   |   |   |   |

3.

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 4 | 3 | 7 |
| + | 1 | 8 | 4 |
|   |   |   |   |

4.

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 1 | 7 | 3 |
|   | 1 | 0 | 2 |
| + | 3 | 2 | 8 |
|   |   |   |   |

5.

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 4 | 7 | 9 |
| + | 3 | 9 | 5 |
|   |   |   |   |

6.

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 2 | 3 | 1 |
|   | 4 | 1 | 0 |
| + | 1 | 5 | 8 |
|   |   |   |   |

**Expanded Form - Week 2****Write the number in expanded form.**

|   |                               |                                |
|---|-------------------------------|--------------------------------|
| <p><b>1.</b></p> <p>3,260</p> <p>answer:</p> <p>3,000 three thousands<br/>200 two hundreds<br/>+ <u>60</u> six tens<br/>3,260</p> | <p><b>2.</b></p> <p>1,569</p> | <p><b>3.</b></p> <p>999</p>    |
| <p><b>4.</b></p> <p>6,358</p>   | <p><b>5.</b></p> <p>5,109</p> | <p><b>6.</b></p> <p>17,036</p> |

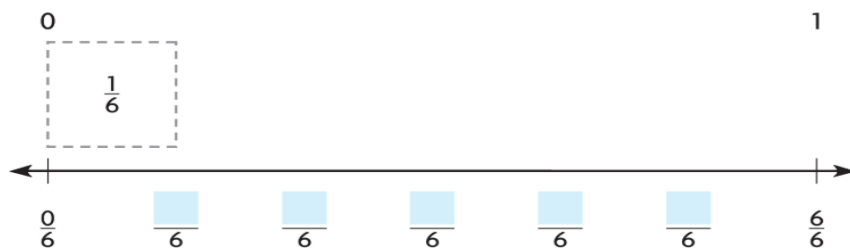
# Rising 4th - Summer Work

Name: \_\_\_\_\_

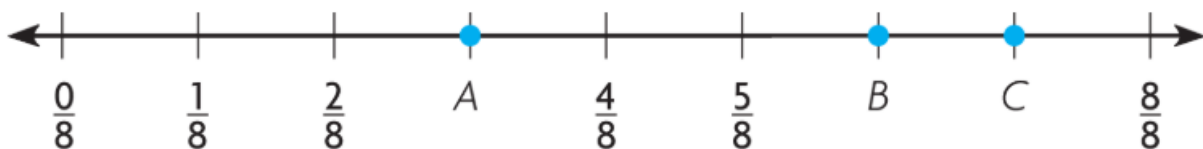
## Fractions - Week 2

Fill in the fractions on the number line.

1.



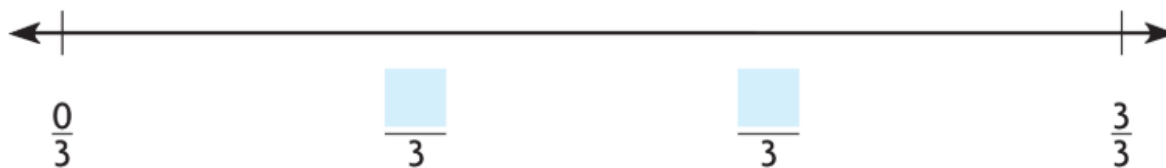
2.



3.



4.

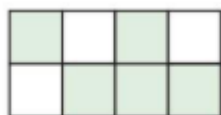


5.



What fraction of the pizza has mushrooms? \_\_\_\_\_ Cheese? \_\_\_\_\_

6.



What is the fraction of the shaded part? \_\_\_\_\_ Unshaded? \_\_\_\_\_









# Problem of the Day

Summer Work Week 3

Each month for 5 months, Bridget gets 2 new LOL dolls. How many more dolls does she need to get before she has 16 new LOL dolls?












**Division - Week 3**

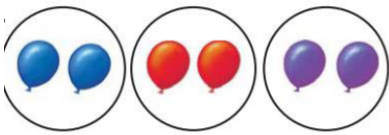
Write the related facts (Fact Families) for these numbers.

|  |   |   |
|--|---|---|
| <p><b>1. Example:</b></p> <p><b>2, 12, 6</b></p>  <p><u><math>2 \times 6 = 12</math></u></p> <p><u><math>6 \times 2 = 12</math></u></p> <p><u><math>12 \div 2 = 6</math></u></p> <p><u><math>12 \div 6 = 2</math></u></p> | <p><b>2.</b></p> <p><b>4, 8, 32</b></p> | <p><b>3.</b></p> <p><b>45, 9, 5</b></p> |
| <p><b>4.</b></p> <p><b>7, 21, 3</b></p>  | <p><b>5.</b></p> <p><b>6, 7, 42</b></p> | <p><b>6.</b></p> <p><b>56, 8, 7</b></p> |

## Fractions - Week 3

Write a fraction to name the blue part of the group.

1.



Example:

1/3 or 2/6

2.



\_\_\_\_\_

3.

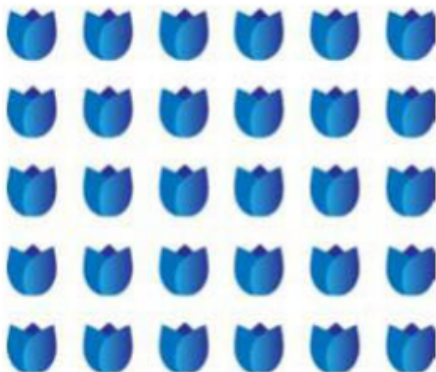


\_\_\_\_\_

4.

How many flowers in one group?

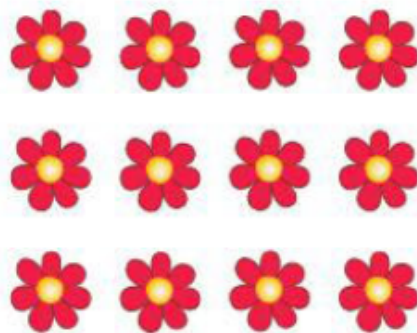
$\frac{1}{6}$  of 30 = \_\_\_\_\_



5.

How many flowers in one group?

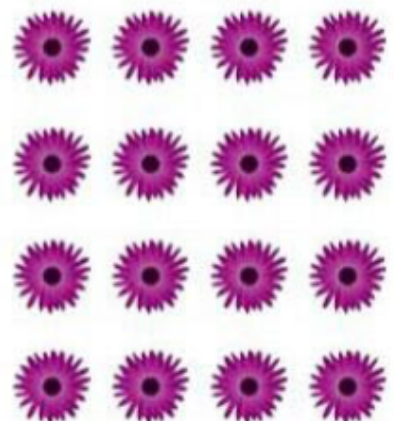
$\frac{1}{4}$  of 12 = \_\_\_\_\_



6.

How many flowers in one group?

$\frac{1}{4}$  of 16 = \_\_\_\_\_





# Problem of the Day

## Summer Work Week 4

Calvin buys 4 boxes of pencils. There are 8 pencils in each box. Bryna buys 3 boxes of pencils with 10 pencils in each box. Who buys more pencils? How many more?

2. How many pencils did Calvin buy?

3. How many pencils did Bryna buy?

4. What is the difference? Who bought more?

# Problem of the Day

## Summer Work Week 4

Audrey and Edy go to Fernbank. There are 306 people at the museum on Saturday. There are 124 fewer people at the museum on Sunday. How many people are at Fernbank during those two days?

1. How many people are at the museum on Sunday?
2. How many people are at the museum on Saturday and Sunday?

**Subtraction - Week 4****Find the difference - remember to regroup if needed!****1.**

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 4 | 2 | 3 |
| - | 2 | 8 | 9 |
|   |   |   |   |

**2.**

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 8 | 6 | 5 |
| - | 5 | 2 | 8 |
|   |   |   |   |

**3.**

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 3 | 4 | 1 |
| - | 1 | 4 | 7 |
|   |   |   |   |

**4.**

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 5 | 7 | 0 |
| - | 3 | 6 | 4 |
|   |   |   |   |

**5.**

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 6 | 0 | 2 |
| - | 5 | 7 | 4 |
|   |   |   |   |

**6.**

|   |   |   |   |
|---|---|---|---|
|   |   |   |   |
|   | 9 | 9 | 3 |
| - | 7 | 8 | 9 |
|   |   |   |   |

**Multiplication - Week 4****Unknown factors and Multiples of 10****1.**

$$s \times 8 = 64$$

$$s = \underline{\hspace{2cm}}$$

**2.**

$$\begin{array}{r} 70 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ \times 8 \\ \hline \end{array}$$

**3.**

$$b \times 6 = 54$$

$$b = \underline{\hspace{2cm}}$$

**4.**

$$\begin{array}{r} 80 \\ \times 8 \\ \hline \end{array}$$

$$8 \times 50 = \underline{\hspace{2cm}}$$

**5.****6.**

$$\begin{array}{r} 70 \\ \times 4 \\ \hline \end{array}$$

$$9 \times 70 = \underline{\hspace{2cm}}$$

# Rising 4th - Summer Work

Name: \_\_\_\_\_

## Rounding - Week 4

Round to the place value of the underlined digit.

|   |                             |                               |
|---|-----------------------------|-------------------------------|
| <p>1.</p> <p>10,<u>8</u>32</p> <p>answer:</p> <p>10,800</p> <p>You are rounding to the nearest hundred. Is 10,832 closer to 10,800 or 10,900?</p> | <p>2.</p> <p><u>8</u>50</p> | <p>3.</p> <p><u>9</u>99</p>   |
| <p>4.</p> <p><u>1</u>,578</p>   | <p>5.</p> <p>7<u>4</u>9</p> | <p>6.</p> <p>1,0<u>9</u>3</p> |



# Rising 4th - Summer Work

Name: \_\_\_\_\_

## Division - Week 4

Find the unknown number.

1.

$$40 \div 4$$

$$4 \overline{)36}$$

2.

$$56 \div 7 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} \square \\ 2 \overline{)8} \end{array}$$

3.

$$42 \div \underline{\hspace{2cm}} = 7$$

$$6 \overline{)54}$$

4.

$$5 \sqrt{35}$$

$$\underline{\hspace{2cm}} = 6 \div 6$$

5.

$$7 \overline{)63}$$

$$9 \overline{)45}$$

6.

$$16 \div \underline{\hspace{2cm}} = 4$$

$$48 \div 6 = \underline{\hspace{2cm}}$$

# Rising 4th - Summer Work

Name: \_\_\_\_\_

## Fractions - Week 4

**Write the fractions in order from least to greatest.**

HINT: You can use your fraction circles to build the fractions!

1.

$$\frac{1}{3} , \frac{1}{6} , \frac{1}{4}$$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

2.

$$\frac{2}{8} , \frac{5}{8} , \frac{1}{8}$$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

3.

$$\frac{1}{8} , \frac{1}{3} , \frac{1}{6}$$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

4.

$$\frac{2}{6} , \frac{5}{6} , \frac{4}{6}$$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

5.

$$\frac{4}{4} , \frac{2}{4} , \frac{3}{4}$$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6.

$$\frac{2}{8} , \frac{2}{3} , \frac{2}{6}$$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_