RISING GRADE 4

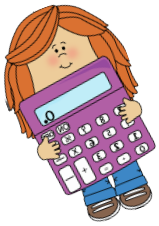
SUMMER LEARNING MATH

Math summer learning support site:

http://readyformath.weebly.com/

Office of Acceleration & Innovation

MSAP GRANT



Road to Summer Learning Success

We are excited to help your child prepare for the next school year. This portfolio is filled with activities that will help your child review fundamental math concepts to be ready for the grade 5 math. For instructions and help in mastering these concepts, you will find support at our website

http://readyformath.weebly.com

INSTRUCTIONS

- Assignments are organized by standards and weeks. If your child has mastered the standard and can do all assessments INDEPENDENTLY, ACCURATELY AND CORRECTLY, your child can move forward without studying all the support materials at our web site.
- If your child needs support, please have your child work through support materials. It is a best practice for your child to view and work through LET'S LEARN material first.
- Each week, there are 3 days of math practice assignments. Those create portfolio of student work.

SUCCEEDING IN THIS PROGRAM

The goal of this program is to help your child get ready for the next grade level. Here are some tips to make this productive and successful

- Set aside time for math (activities and problems take about 30-45 minutes a day, 3 days a week; this program cannot be completed all at once
- Encourage your child to work through all problems; have your child go though learn and explore activities first
- Notes are required if your child was assigned this program. Please download the note template or use a spiral to take notes in the same form as a template
- If your child is receiving tutoring, have tutor use the same strategies

FLUENCY PRACTICE

Math fact fluency is an important skill for students entering grade 4. In grade 4 students will have to calculate and use large numbers, therefore ability to fluently add, subtract, multiply and divide is necessary to help them with accuracy and timely completion of problems. Math fluency skills increase with practice. For orientation purposes, we have set time limits for 100 problems completion as follows

- ✓ Addition – 8 minutes for 100 problems
- ✓ Subtraction – 8 minutes for 100 problems
- ✓ Multiplication – 9 minutes for 100 problems
- ✓ Division – 9 minutes for 100 problems

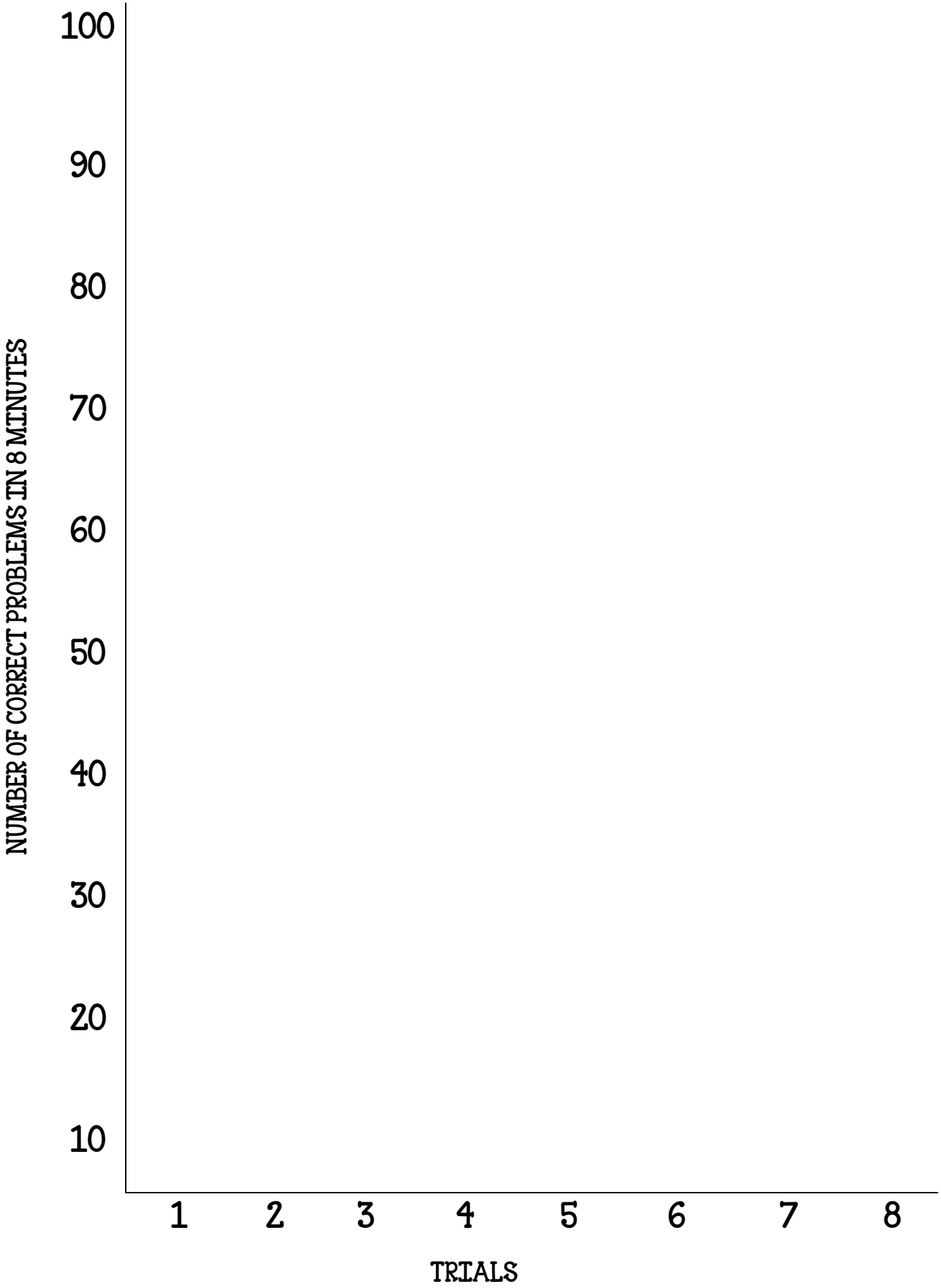
Students should graph and monitor their progress in math fluency this summer. Some practice is built into the portfolio. However, if more practice is needed, please check fluency section of the web site for helpful sites and fact worksheet generator.

To practice fluency

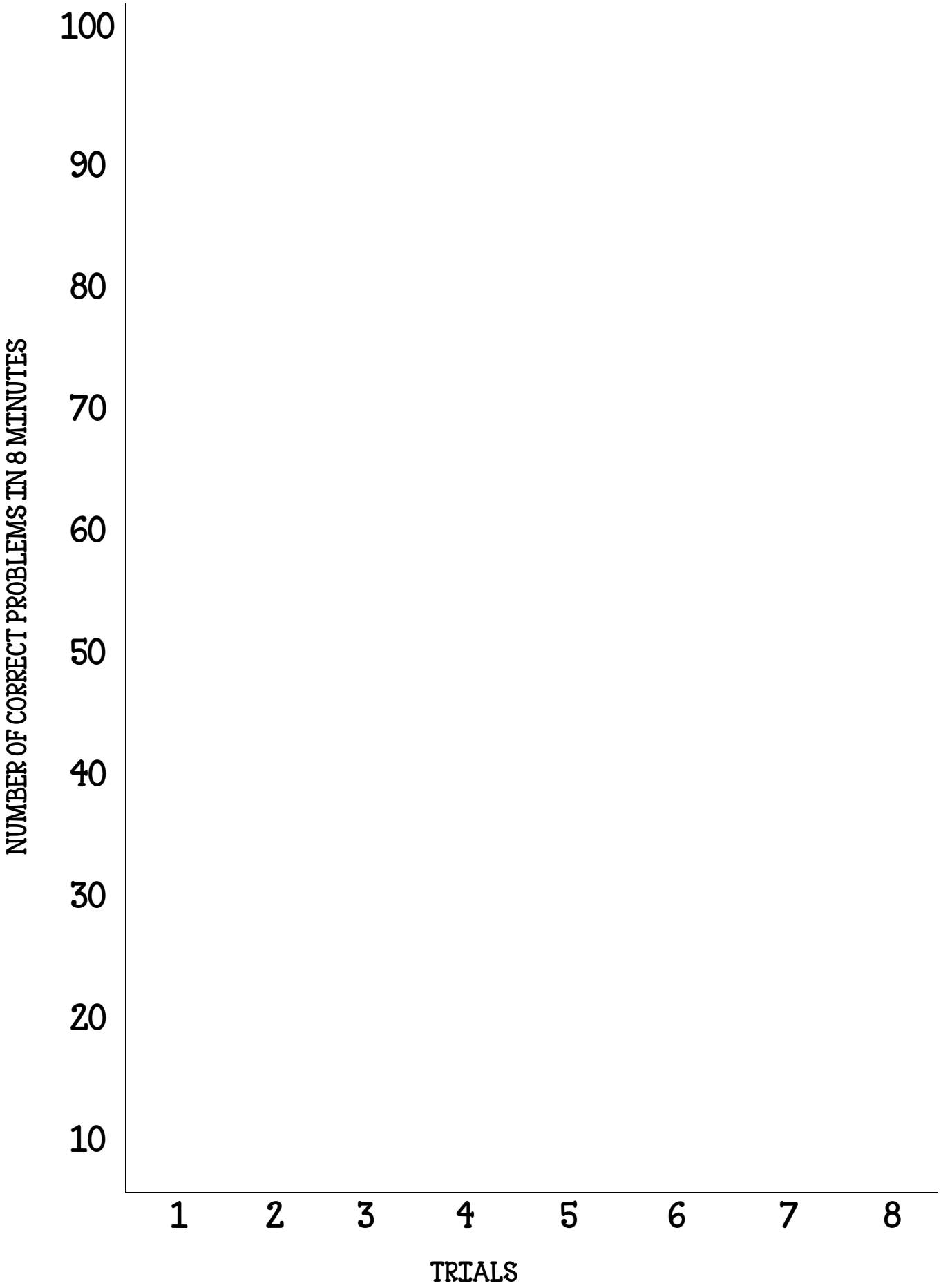
- ✓ Set your timer for 8 or 9 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 8 or 9 minutes.
- ✓ When you are done, have an adult check your answers. If you calculated wrong, correct with different color pencil or pen
- ✓ How many did you get right in 8 or 9 minutes? Record your number in fluency graphs.

Students will be assessed in these skills upon starting the grade 4. We hope that this summer's practice will set them on the path t o fluency success.

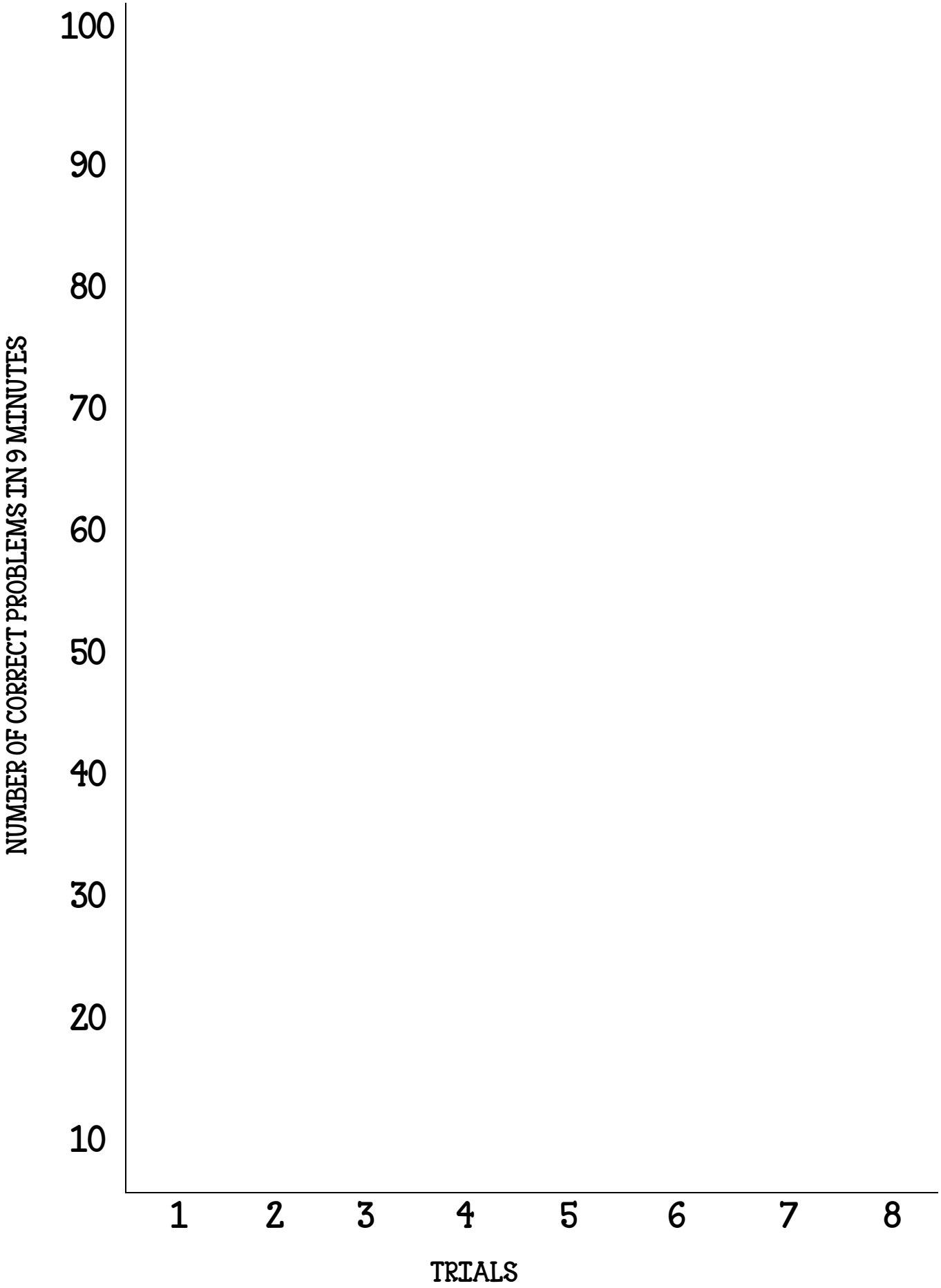
I CAN ADD THIS MANY FACTS IN 8 MINUTES



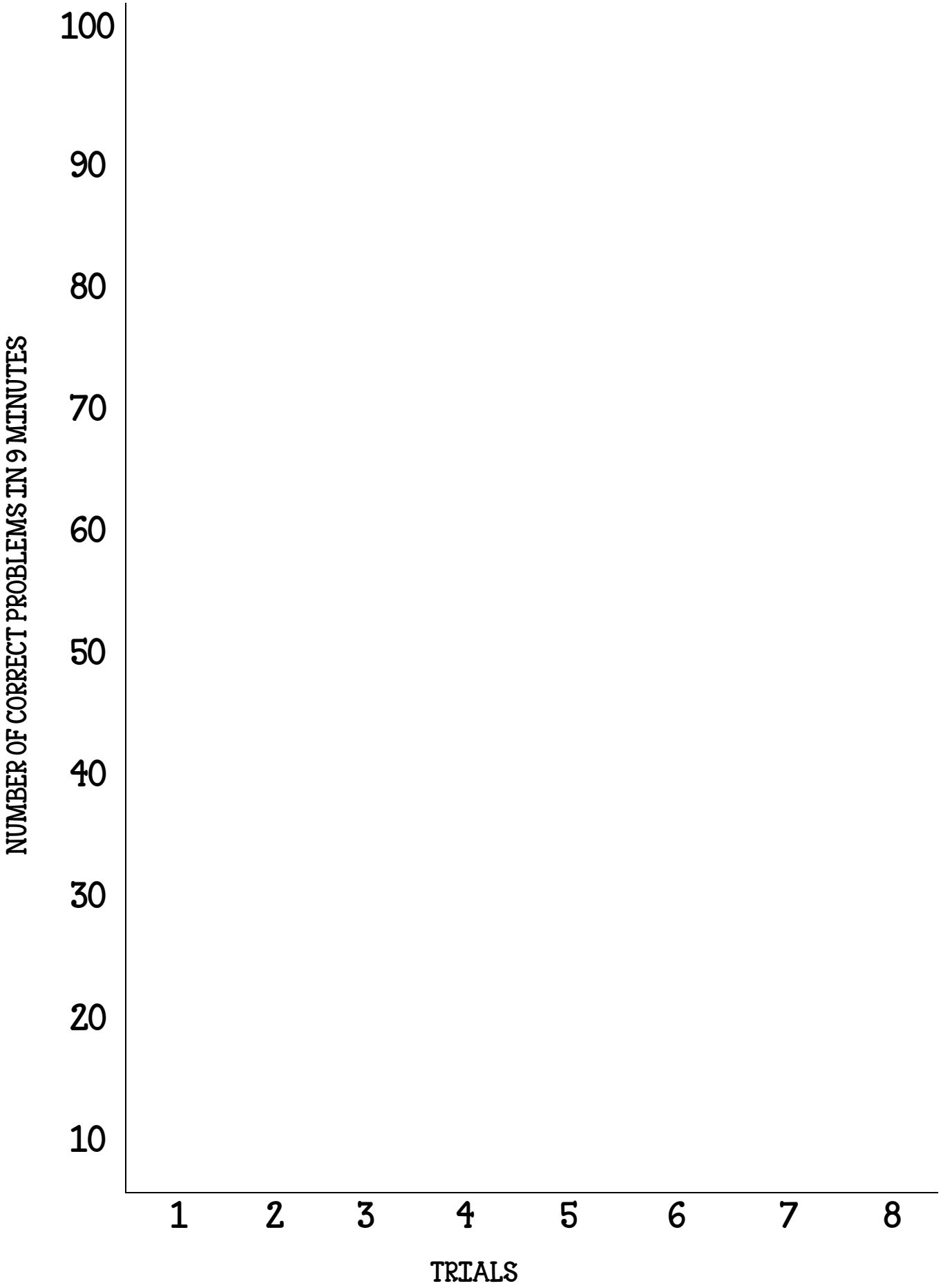
I CAN SUBTRACT THIS MANY FACTS IN 8 MINUTES



I CAN MULTIPLY THIS MANY FACTS IN 9 MINUTES



I CAN DIVIDE THIS MANY FACTS IN 9 MINUTES



DAY 1

Round each number to the nearest 10 and the nearest 100

814 _____ Nearest 10 _____ Nearest 100

293 _____ Nearest 10 _____ Nearest 100

634 _____ Nearest 10 _____ Nearest 100

184 _____ Nearest 10 _____ Nearest 100

Write 2 numbers that round to 480 when rounded to the nearest 10. Use a number line to explain your response. _____ _____

Write 2 numbers that round to 800 when rounded to the nearest 100. Use a number line to explain your response. _____ _____

Add. Show your work.

480 + 470 = _____ **530 + 205 = _____** **371 + 361 = _____**

Complete addition fluency practice sheet "add1".

- ✓ Set your timer for 8 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 8 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 8 minutes? Record your number in addition fluency graph.

As you practice math this summer, you will record your correct number . Remember that goal is to complete all problems correctly in 8 minutes. If you need to practice, check the FLUENCY tab in your summer learning web site. Practice daily until you reach this goal. I know you can do it.

ADDITION FACT CHALLENGE

7	8	6	9	8	4	2	6	3	2
+3	+2	+6	+1	+8	+2	+8	+3	+5	+2
1	7	3	8	6	7	4	2	2	1
+4	+6	+2	+9	+1	+9	+6	+7	+3	+6
6	3	8	6	1	4	1	9	0	2
+6	+1	+8	+5	+9	+3	+7	+4	+7	+1
7	1	5	9	2	6	3	4	3	1
+5	+1	+4	+9	+5	+8	+3	+8	+6	+8
3	5	5	2	7	5	4	1	5	8
+0	+7	+8	+8	+4	+9	+2	+8	+5	+5
4	8	9	5	4	6	9	7	1	9
+7	+1	+8	+2	+1	+3	+5	+7	+3	+5
2	7	1	0	6	3	7	6	8	4
+4	+8	+3	+0	+4	+3	+1	+2	+3	+4
3	5	6	8	9	1	6	2	3	8
+7	+3	+7	+5	+6	+2	+9	+6	+9	+7
5	2	8	9	6	9	7	4	5	8
+4	+7	+7	+3	+8	+2	+6	+9	+1	+6
1	3	8	7	1	9	5	8	4	3
+9	+4	+0	+2	+5	+7	+6	+4	+5	+8

NUMBER CORRECT: _____ TIME IT TOOK TO COMPLETE:_____

DAY 2

Subtract. Show your work

600 - 260 = _____ **728 - 188 = _____** **930 - 499 = _____**

The table shows the weight of animals at the zoo. Use the table to answer the questions below. Show your work

Animal	Weight (in Pounds)
Tiger	667
Gorilla	408
Polar Bear	437
Zebra	568

How much do the polar bear and gorilla weigh together?

How much more does the tiger weigh than the zebra?

There were 501 building blocks in a tub. Jackson used 245 to build a truck How many blocks were left? Show your work.

Have you practiced your addition facts today? Use one of the links on our site to practice addition fluency.

DAY 3

Josie needs 85 cupcakes for a birthday party. She has 31 strawberry cupcakes and 16 chocolate cupcakes. How many more cupcakes does she need? Show your work using equation or model.

Amanda has 14 fewer stuffed animals than Beth. Beth has 40 stuffed animals. How many stuffed animals does Amanda have?

a) Write an equation that represents this problem. Use a symbol for the unknown number

b) Solve the problem. Use words, numbers or pictures to explain your reasoning.

Vincent is reading a book that has 260 pages. He read 35 pages on Monday night, and 40 pages on Tuesday night. Let **p** stand for how many pages Vicente has left to read? Write an equation. Then, solve the problem. Show your work.

DAY 1

Show 6 x 3 in 2 different ways. You can show it with an array, equal groups, repeated addition, jumps on a number line, or with the area of a rectangle.

Write a multiplication sentence for the array below:

X X X X X X
X X X X X X
X X X X X X
X X X X X X

_____

Draw an array for the following problems. Write the product for each equation.

3 x 5 = ____ 2 x 8 = ____

Complete addition fluency practice sheet "add2".

- ✓ Set your timer for 8 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 8 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 8 minutes? Record your number in addition fluency graph.

As you practice math this summer, you will record your correct number . Remember that goal is to complete all problems correctly in 8 minutes. If you need to practice, check the FLUENCY tab in your summer learning web site. Practice daily until you reach this goal. I know you can do it.

ADDITION PRACTICE 2

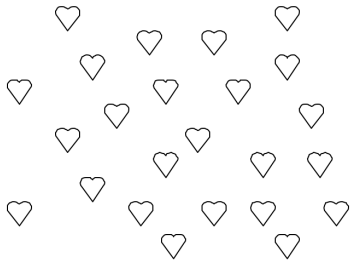
6	1	9	3	8	8	3	2	7	6
+6	+6	+1	+2	+2	+8	+5	+8	+9	+3
2	3	1	7	8	5	4	6	3	6
+3	+7	+1	+5	+9	+3	+7	+4	+3	+7
1	6	2	3	2	1	4	6	7	4
+9	+6	+3	+1	+5	+9	+3	+9	+5	+8
3	2	4	8	9	4	9	2	7	1
+6	+7	+3	+1	+9	+6	+8	+1	+2	+5
1	6	5	8	2	4	5	2	5	1
+3	+2	+7	+5	+9	+2	+5	+6	+9	+8
7	2	5	9	5	5	7	9	6	2
+7	+4	+4	+9	+2	+8	+1	+5	+2	+5
7	4	5	4	0	1	8	8	6	7
+4	+8	+1	+4	+0	+7	+3	+6	+5	+6
6	8	5	5	1	9	3	1	7	9
+7	+1	+3	+5	+5	+6	+9	+2	+3	+2
8	3	9	4	9	4	3	2	6	4
+7	+4	+2	+1	+3	+5	+6	+7	+1	+9
8	1	7	9	7	2	3	5	9	8
+0	+4	+3	+4	+8	+2	+8	+6	+7	+4

NUMBER CORRECT IN 8 MINUTES: _____

DAY 2

Show 32 ÷ 4 in 2 different ways. You can show it with an array, equal groups, repeated subtraction, jumps on a number line, or with the area of a rectangle.

How many groups of 6 are in 24? Use the hearts and write an equation to show how you found your answer.



_____ groups of 6

equation : _____

Solve this problem. Use equations or drawing to show your answer.

Nina can practice a song 6 times in an hour. If she wants to practice the song 30 times before the recital, how many hours does she need to practice?

Have you practiced your addition facts today? Use one of the links on our site to practice addition fluency.

DAY 3

Solve this problem. Use equations or drawing to show your answer.

Maria has 12 feet of ribbon and wants to wrap some gifts that need 3 feet of ribbon each. How many gifts can she wrap using the ribbon?

Solve this problem. Use equations or drawing to show your answer.

Susan wants to give her 5 friends 4 balloons each. How many balloons must she buy? _____

Explain how you know your answer is correct.

Solve this problem. Use equations or drawing to show your answer.

Caleb's dad bought 12 hotdogs for Caleb and his 3 friends. How many hot dogs can they each have?

_____

Explain how you know your answer is correct.

Have you practiced your addition facts today? Use one of the links on our site to practice addition fluency.

DAY 1

Write a missing number for each equation

10 = 2 x _____

14 = 2 x _____

_____ x 5 = 25

_____ = 8 x 5

60 ÷ _____ = 6

2 = 18 ÷ _____

Write a missing number for each equation

18 = 3 x _____

24 = 8 x _____

_____ ÷ 9 = 7

_____ = 9 x 5

42 ÷ _____ = 7

6 = 36 ÷ _____

Write a missing number for each equation

12 = 3 x _____

48 = 6 x _____

_____ x 5 = 35

_____ = 9 x 5

36 ÷ _____ = 6

3 = 18 ÷ _____

DAY 2

Complete subtraction fluency practice sheet "subtract1".

- ✓ Set your timer for 8 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 8 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 8 minutes? Record your number in subtraction fluency graph.

As you practice math this summer, you will record your correct number . Remember that goal is to complete all problems correctly in 8 minutes. If you need to practice, check the FLUENCY tab in your summer learning web site. Practice daily until you reach this goal. I know you can do it.

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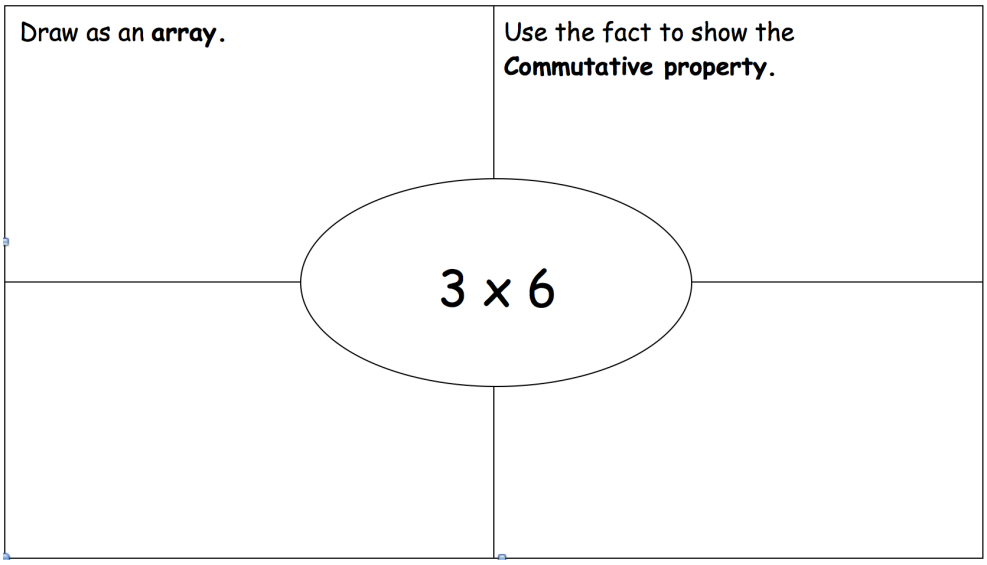


Jim knows 5 x 4 but doesn't know 5 x 6. How could Jim use 5 x 4 to find 5 x 6? Use drawing to show your explanation.

Have you practiced your addition facts today? Use one of the links on our site to practice addition fluency.

SUBTRACTION PRACTICE 1

18	11	5	17	10	6	8	9	15	3
-9	-8	-3	-9	-7	-0	-8	-3	-7	-3
17	9	10	5	8	11	14	13	11	12
-8	-2	-6	-4	-6	-2	-7	-6	-5	-6
11	10	4	9	7	8	12	13	8	14
-3	-4	-4	-8	-6	-3	-5	-4	-5	-6
8	8	16	15	9	12	7	10	2	10
-2	-1	-8	-6	-0	-9	-1	-5	-2	-8
11	5	12	7	3	12	3	5	9	14
-4	-2	-4	-2	-0	-7	-1	-5	-4	-8
13	10	6	12	1	11	6	9	7	4
-8	-3	-6	-8	-1	-9	-2	-9	-0	-3
6	5	6	9	12	10	8	7	11	9
-1	-0	-3	-7	-3	-1	-4	-3	-9	-5
14	16	13	9	10	4	3	7	4	12
-9	-9	-7	-6	-2	-1	-2	-4	-2	-7
11	15	16	2	13	2	5	6	8	7
-7	-6	-8	-1	-7	-0	-1	-5	-0	-5
7	11	15	16	15	8	10	6	14	9
-7	-6	-9	-7	-8	-7	-9	-4	-5	-1

HOW MANY DID YOU SOLVE CORRECTLY IN 8 MINUTES?

DAY 3

Multiply

6 x 30 = _____ 40 x 5 = _____

90 x 2 = _____ 7 x 30 = _____

Write a missing number to make each equation true

40 x 4 = _____ 9 x 50 = _____

80 x 2 = _____ 60 x 6 = _____

90 = _____ x 30 350 = 7 x _____

Multiply each digit by 10.

2 x 10 = _____ 4 x 10 = _____ 9x 10 = _____

How did you find the products in these problems? Show and explain

Have you practiced your addition and subtraction facts today?
Use one of the links on our site to practice addition fluency.

DAY 1

Complete multiplication practice sheet attached. In this sheet you will be practicing multiplication facts x1, x0 and x 3

- ✓ Use your timer to see how long it takes you to complete this sheet
- ✓ Have an adult check your answers
- ✓ Use a different color pen or pencil to correct missed facts

Complete multiplication practice sheet attached. In this sheet you will be practicing multiplication facts x2, x5 and x 10

- ✓ Use your timer to see how long it takes you to complete this sheet
- ✓ Have an adult check your answers
- ✓ Use a different color pen or pencil to correct missed facts

Match the multiplication and division equations that relate to each other.

5 x 6 =	50 ÷ 10 =
2 x 8 =	30 ÷ 5 =
10 x 5 =	24 ÷ 2 =
12 x 2 =	16 ÷ 2 =

Name_____ 3.OA.7

Multiply.

7	2	5	6	6	5
x 2	x 8	x 9	x 2	x 10	x 6
10	8	9	5	5	2
x 8	x 5	x 2	x 8	x 5	x 5
10	8	5	8	7	10
x 5	x 2	x 7	x 10	x 5	x 2
6	5	9	3	10	5
x 5	x 4	x 5	x 2	x 3	x 2
10	7	9	2	6	2
x 7	x 5	x 2	x 8	x 5	x 2

Name_____ 3.OA.7

Multiply.

7	2	3	6	3	5
x 3	x 8	x 9	x 2	x 10	x 6
1	8	9	5	8	2
x 8	x 5	x 1	x 8	x 1	x 5
3	8	5	8	7	10
x 5	x 2	x 0	x 10	x 3	x 2
6	5	3	3	0	5
x 1	x 4	x 6	x 2	x 3	x 2
0	7	3	2	6	2
x 7	x 5	x 2	x 8	x 3	x 2

DAY 2

Complete multiplication practice sheet attached. In this sheet you will be practicing multiplication facts x6, and x9

- ✓ Use your timer to see how long it takes you to complete this sheet
- ✓ Have an adult check your answers
- ✓ Use a different color pen or pencil to correct missed facts

. Complete division practice sheet attached. In this sheet you will be practicing division facts x2, x5 and x 10

- ✓ Use your timer to see how long it takes you to complete this sheet
- ✓ Have an adult check your answers
- ✓ Use a different color pen or pencil to correct missed facts

Complete division practice sheet attached. In this sheet you will be practicing division facts x1, x0 and x 3

- ✓ Use your timer to see how long it takes you to complete this sheet
- ✓ Have an adult check your answers
- ✓ Use a different color pen or pencil to correct missed facts

Name: _____ Date: _____

y

Multiply.

6	9	9	6	6	5
x 3	x 8	x 9	x 6	x 10	x 6
1	9	9	5	8	2
x 9	x 5	x 3	x 6	x 6	x 6
3	9	5	9	7	9
x 9	x 2	x 6	x 10	x 9	x 2
6	7	6	3	0	5
x 7	x 4	x 6	x 6	x 9	x 9
9	9	6	9	6	6
x 7	x 5	x 9	x 8	x 3	x 6

Name_____ 3.OA.7

Divide.

8 ÷ 4 =	20 ÷ 5 =	6 ÷ 3 =	40 ÷ 4 =	35 ÷ 7 =
45 ÷ 5 =	18 ÷ 9 =	10 ÷ 5 =	14 ÷ 7 =	20 ÷ 4 =
40 ÷ 10 =	15 ÷ 3 =	30 ÷ 5 =	45 ÷ 9 =	90 ÷ 9 =
30 ÷ 3 =	8 ÷ 4 =	16 ÷ 8 =	80 ÷ 8 =	18 ÷ 2 =
12 ÷ 2 =	14 ÷ 7 =	20 ÷ 5 =	35 ÷ 5 =	70 ÷ 7 =
16 ÷ 8 =	18 ÷ 2 =	20 ÷ 2 =	40 ÷ 8 =	30 ÷ 5 =

Name_____ 3.OA.7

Divide.

6 ÷ 3 =	20 ÷ 5 =	3 ÷ 1 =	40 ÷ 4 =	35 ÷ 7 =
5 ÷ 5 =	18 ÷ 9 =	0 ÷ 5 =	14 ÷ 7 =	20 ÷ 4 =
4 ÷ 1 =	15 ÷ 3 =	15 ÷ 5 =	45 ÷ 9 =	27 ÷ 9 =
27 ÷ 3 =	8 ÷ 4 =	24 ÷ 8 =	80 ÷ 8 =	18 ÷ 6 =
12 ÷ 3 =	14 ÷ 7 =	21 ÷ 3 =	35 ÷ 5 =	70 ÷ 7 =
8 ÷ 8 =	18 ÷ 2 =	7 ÷ 1 =	40 ÷ 8 =	30 ÷ 5 =

DAY 3

Complete multiplication practice sheet attached. In this sheet you will be practicing multiplication facts x4 and x8

- ✓ Use your timer to see how long it takes you to complete this sheet
- ✓ Have an adult check your answers
- ✓ Use a different color pen or pencil to correct missed facts

Complete division practice sheet attached. In this sheet you will be practicing division facts x6 and x9

- ✓ Use your timer to see how long it takes you to complete this sheet
- ✓ Have an adult check your answers
- ✓ Use a different color pen or pencil to correct missed facts

Choose three related problems below and solve them.

4 × 12 = _____

3 × 12 = _____

48 ÷ 12 = _____

24 ÷ 6 = _____

12 ÷ 3 = _____

48 ÷ 16 = _____

24 ÷ 8 = _____

How are your three problems related?

_____

_____

_____

_____

_____

_____

_____

_____

Name_____ 3.OA.7

Multiply.

7	4	8	6	6	5
x 2	x 8	x 9	x 1	x 4	x 4
3	8	9	7	6	9
x 8	x 5	x 4	x 8	x 5	x 5
4	2	3	8	7	10
x 5	x 8	x 7	x 5	x 4	x 3
6	8	9	3	8	5
x 7	x 4	x 3	x 6	x 3	x 5
7	8	9	6	6	6
x 7	x 10	x 2	x 8	x 5	x 4

Item 24: 3 min _____ 27-30 (3) _____ 24-26 (2) _____ 21-24 (1)

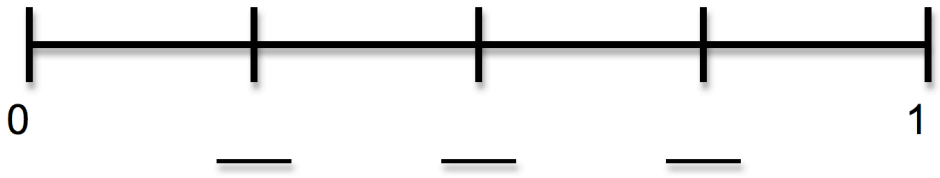
Name_____ 3.OA.7

Divide.

6 ÷ 3 =	30 ÷ 5 =	27 ÷ 3 =	36 ÷ 4 =	42 ÷ 7 =
6 ÷ 6 =	18 ÷ 6 =	45 ÷ 9 =	63 ÷ 7 =	24 ÷ 6 =
12 ÷ 6 =	45 ÷ 9 =	30 ÷ 6 =	36 ÷ 6 =	27 ÷ 9 =
18 ÷ 3 =	54 ÷ 6 =	72 ÷ 8 =	81 ÷ 9 =	36 ÷ 9 =
90 ÷ 9 =	60 ÷ 6 =	18 ÷ 6 =	45 ÷ 5 =	63 ÷ 7 =
9 ÷ 9 =	18 ÷ 2 =	72 ÷ 9 =	48 ÷ 8 =	54 ÷ 9 =

DAY 1

Label the points on the number line with the corresponding fractions.



Draw and shade the rectangles to show each fraction.

$\frac{3}{8}$

$\frac{2}{4}$

$\frac{1}{3}$

$\frac{1}{4}$

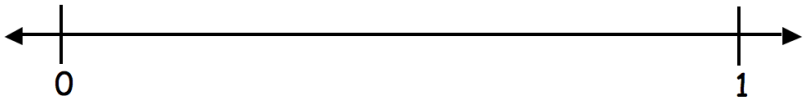
Use $\frac{2}{3}$ to complete the boxes.

Write the fraction in words.	Show the fraction as a set.	Show the fraction as a part of a whole.	Write the **numerator**

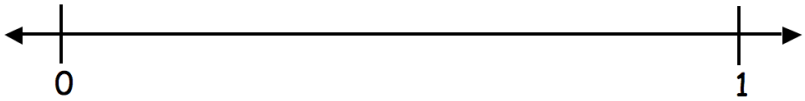
DAY 2

Place each fraction on the number line

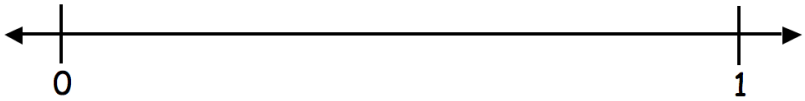
$\frac{3}{4}$



$\frac{2}{3}$

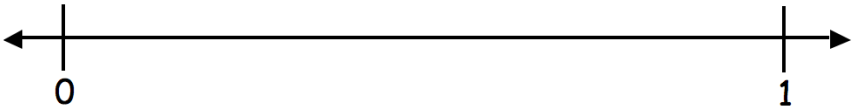


$\frac{8}{8}$



Show $\frac{3}{8}$ of a set, of a whole, and put it on the number line below.

$\frac{3}{8}$ of a set	$\frac{3}{8}$ of a whole



Complete subtraction fluency practice sheet

- ✓ Set your timer for 8 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 8 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 8 minutes? Record your number in addition fluency graph.
  As you practice math this summer, you will record your correct number . Remember that goal is to complete all problems correctly in 8 minutes

SUBTRACTION PRACTICE 2

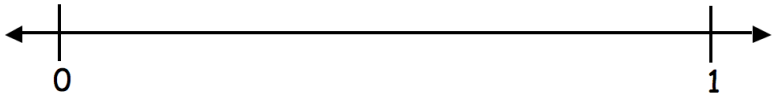
7	9	4	13	7	9	13	9	4	3
-5	-8	-3	-6	-7	-2	-4	-3	-1	-3
16	1	10	4	8	11	15	3	11	12
-9	-1	-6	-4	-6	-2	-7	-2	-5	-6
11	12	6	9	7	8	13	11	7	6
-8	-9	-4	-6	-6	-7	-5	-7	-2	-6
9	10	11	14	9	2	7	10	13	10
-6	-1	-3	-5	-0	-2	-1	-5	-9	-3
11	6	10	8	3	15	11	5	9	7
-4	-2	-4	-3	-0	-7	-6	-5	-4	-0
12	10	4	13	15	8	6	9	14	5
-9	-8	-2	-8	-9	-2	-0	-9	-9	-2
12	5	6	10	12	10	8	7	11	8
-6	-0	-3	-7	-8	-6	-4	-3	-9	-5
12	11	16	9	10	5	8	7	12	14
-4	-2	-9	-5	-2	-3	-6	-4	-3	-7
12	14	17	2	13	8	5	6	14	17
-7	-6	-8	-0	-4	-8	-1	-5	-8	-9
15	13	15	16	18	13	10	5	16	9
-8	-6	-6	-7	-9	-7	-9	-4	-8	-7

How many did you solve in 8 minutes? _____

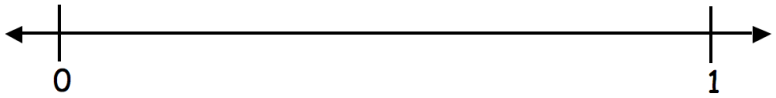
DAY 3

Place each fraction on the number line.

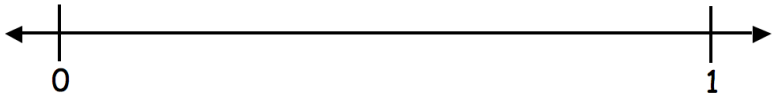
$\frac{3}{4}$



$\frac{2}{3}$



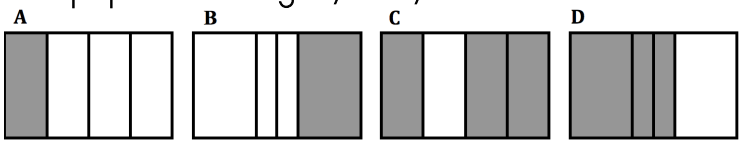
$\frac{8}{8}$



Write the fractions in the correct box below. 1/20, 4/10, 3/100, 11/20, 24/25

Close to 0	Close to ½	Close to 1

Kai shaded four pieces of paper with a gray crayon.



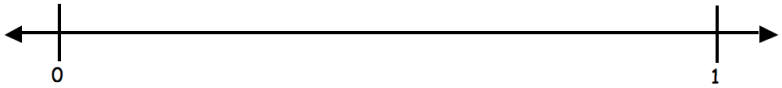
Which piece of paper is 3/4 shaded? _____

Explain why your answer is correct.

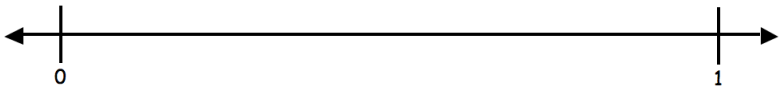
DAY 1

Place each fraction on the number line.

$\frac{2}{4}$



$\frac{2}{3}$

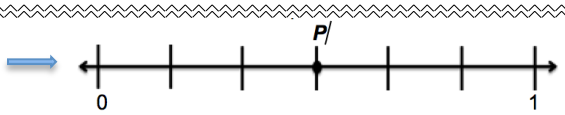


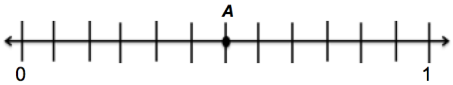
Are these fractions equivalent? _____ Explain your answer using drawings.

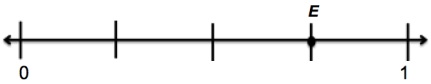
Lee says $\frac{2}{3}$ and $\frac{4}{6}$ are equivalent. Use the rectangles to show the fractions.

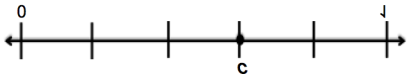
Use words to explain why Lee is correct.

Use this number line to answer the question . Circle all the number lines that show a fraction equal to the fraction shown by point *P*.







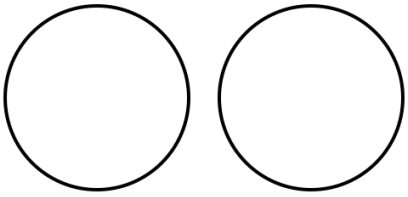


DAY 2

Use >, <, or = to compare the fractions.

$\frac{3}{4}$ $\frac{1}{4}$	$\frac{5}{8}$ $\frac{5}{6}$	$\frac{8}{10}$ $\frac{3}{6}$
$\frac{4}{5}$ $\frac{1}{3}$	$\frac{4}{8}$ $\frac{7}{10}$	$\frac{2}{8}$ $\frac{2}{3}$

Julio says $\frac{1}{2}$ and $\frac{2}{4}$ are equivalent. Use the circles to show the fractions.



Use words to explain why Julio is correct.

Complete multiplication fluency practice sheet

- ✓ Set your timer for 9 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 8 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 9 minutes? Record your number in addition fluency graph.
  As you practice math this summer, you will record your correct number . Remember that goal is to complete all problems correctly in 9 minutes. If you need to practice, check the FLUENCY tab in your summer learning web site. Practice daily until you reach this goal. I know you can do it.

MULTIPLICATION PRACTICE 1

8	5	8	9	4	2	7	3	6	6
x6	x 2	x 1	x 2	x 5	x 7	x 6	x 6	x 7	x 6
5	2	6	4	9	3	3	7	1	8
x 8	x 3	x 4	x 2	x 7	x 9	x 8	x 3	x 6	x 4
7	9	3	6	2	5	9	4	9	6
x 5	x 1	x 4	x 1	x 0	x 3	x 9	x 3	x 5	x 3
2	6	4	9	7	3	5	6	4	8
x 8	x 6	x 7	x 1	x 9	x 3	x 5	x 2	x 5	x 8
3	8	3	8	2	5	1	4	7	3
x 6	x 8	x 5	x 3	x 2	x 8	x 7	x 8	x 6	x 9
7	2	8	1	6	3	5	3	6	2
x 1	x 6	x 5	x 3	x 0	x 2	x 7	x 8	x 3	x 4
2	9	3	5	4	7	1	6	3	9
x 9	x 4	x 2	x 4	x 4	x 8	x 2	x 9	x 3	x 4
8	2	5	7	0	4	3	9	6	8
x 9	x 5	x 9	x 4	x 5	x 1	x 7	x 8	x 9	x 7
4	9	1	6	3	5	2	8	0	7
x 6	x 6	x 8	x 5	x 4	x 0	x 5	x 2	x 0	x 7
1	9	6	4	8	5	4	3	7	6
x 5	x 3	x 2	x 7	x 6	x 6	x 9	x 8	x 2	x 8

Number correct in 9 minutes _____

DAY 3

Look at each box. Write >, <, or = in each circle to compare the fractions.

$\frac{7}{8}$ ◯ $\frac{5}{8}$	☺ $\frac{3}{6}$ ◯ $\frac{4}{6}$	$\frac{8}{8}$ ◯ $\frac{4}{4}$
♡ $\frac{1}{4}$ ◯ $\frac{1}{8}$	$\frac{4}{5}$ ◯ $\frac{4}{8}$	$\frac{3}{6}$ ◯ $\frac{1}{2}$

How did you compare the fractions in the box with the ♡ ?

Use >, <, or = to compare the fractions.

$\frac{3}{4}$ $\frac{1}{4}$	$\frac{5}{8}$ $\frac{5}{6}$	$\frac{8}{10}$ $\frac{3}{6}$
$\frac{4}{5}$ $\frac{1}{3}$	$\frac{4}{8}$ $\frac{7}{10}$	$\frac{2}{8}$ $\frac{2}{3}$

Illustrate each fraction. Then determine the correct symbol, <, >, =.
Explain your thinking.

$$\frac{4}{5} \quad \_\_\_\_ \quad \frac{4}{9}$$

DAY 1

Jake said that 5 times an even number always makes an even product. He also said that 5 times an odd number always makes an odd product.

Tell why you agree or disagree with Jake.

Use what you know about patterns in multiplication and division to fill in the function table below.

Rule: _____

In	Out
4	2
6	☐
8	4
10	☐

Masha had 120 stamps. First, she gave her sister half of the stamps and then she used three to mail letters. How many stamps does Masha have left?

DAY 2

Jason says that 6 x 4 is the same as 5 x 4 and one more group of 4.

Tell why you agree or disagree with Jason. Show with drawing.

Jake wants to buy a book about trains that costs $24. He earns $5 for yard work. He plans to save the rest from his weekly allowance of 3 dollars.
In how many weeks will he have saved enough?
.

Complete division fluency practice sheet

- ✓ Set your timer for 9 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 9 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 9 minutes? Record your number in addition fluency graph.
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Challenge

2) 10	3) 9	4) 36	5) 10	5) 35
9) 18	4) 12	6) 0	4) 28	3) 24
3) 15	5) 20	9) 45	2) 4	7) 7
4) 16	3) 27	6) 6	9) 63	3) 12
2) 6	1) 3	8) 64	4) 16	8) 24
2) 0	4) 12	1) 9	9) 18	1) 1
6) 18	7) 14	6) 54	3) 15	9) 72
1) 5	9) 63	8) 32	8) 72	4) 20
2) 6	4) 24	3) 18	6) 18	5) 25
4) 8	8) 48	4) 36	8) 56	9) 27
7) 14	7) 49	8) 0	3) 6	1) 0
7) 21	6) 24	8) 72	3) 21	8) 40
5) 15	5) 30	2) 16	1) 3	5) 15
9) 81	4) 28	5) 5	7) 56	7) 42
6) 42	9) 54	6) 36	6) 0	6) 48
10) 50	8) 32	9) 36	2) 16	5) 0
8) 64	5) 40	6) 54	5) 45	4) 24
4) 32	3) 9	9) 27	1) 7	2) 8
6) 30	7) 28	7) 56	9) 45	5) 15
7) 21	2) 10	6) 6	7) 63	7) 35

DAY 3

Suzy says an even number times an even number always makes an even product.

Tell why you agree or disagree with Suzy. Explain your answer and draw an explanation

Mrs. Moore's third grade class wants to go on a field trip to the science museum. *The cost of the trip is $245. The class can earn money by running the school store for 6 weeks. The students can earn $15 each week if they run the store.

1. How much more money does the third grade class still need to earn to pay for their trip?

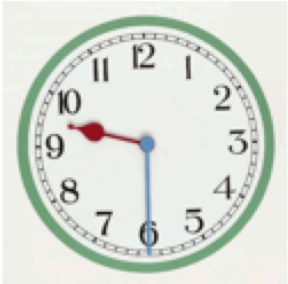
2. Write an equation to represent this situation.

1. Choose any two rows of the multiplication table on the right and highlight them.
2. Record your observations about each row, explaining a pattern you observe in each row.
3. Explain the pattern
4. Challenge: write an equation for that pattern

X	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

DAY 1

Write the time on these 3 clocks



_____ _____ _____

The game begins at 11:30 a.m. If it lasts 2 hours and 15 minutes, when will it be over

Complete addition fluency practice sheet

- ✓ Set your timer for 8 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 8 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 9 minutes? Record your number in addition fluency graph.

As you practice math this summer, you will record your correct number . Remember that goal is to complete all problems correctly in 9 minutes. If you need to practice, check the FLUENCY tab in your summer learning web site. Practice daily until you reach this goal. I know you can do it

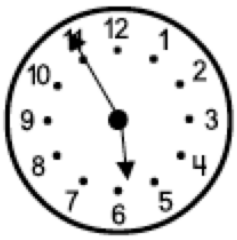
ADDITION CHALLENGE

8	2	8	1	1	8	3	1	4	5
+9	+1	+2	+1	+4	+8	+7	+8	+5	+2
3	7	4	3	8	6	9	2	7	2
+1	+8	+7	+5	+1	+8	+1	+5	+1	+2
7	6	2	3	6	4	6	6	4	5
+7	+6	+9	+8	+2	+1	+5	+9	+8	+1
3	1	9	6	9	8	4	3	1	5
+6	+5	+2	+3	+9	+6	+6	+4	+1	+4
2	7	5	5	2	6	9	2	5	1
+3	+9	+7	+5	+8	+4	+8	+2	+9	+8
5	7	9	2	5	6	9	1	8	6
+8	+6	+5	+6	+2	+1	+4	+7	+0	+8
7	1	9	3	0	6	8	4	9	1
+3	+2	+8	+2	+6	+5	+3	+4	+4	+7
5	4	5	7	7	9	3	6	8	1
+6	+2	+3	+9	+2	+6	+9	+7	+5	+8
8	1	7	4	9	2	7	1	8	4
+7	+6	+2	+6	+3	+4	+4	+3	+6	+9
2	9	1	3	7	3	4	1	3	8
+7	+7	+0	+3	+5	+8	+3	+9	+1	+4

Number correct in 8 minutes _____

DAY 2

The clock shows when Andy started a movie. His movie is 2 hours and 18 minutes long. What time will the movie end?



School ends at 12:00 on an early dismissal day. School starts at 8:45. How long is the school day on an early dismissal day?

Complete subtraction fluency practice sheet

- ✓ Set your timer for 8 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 8 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 9 minutes? Record your number in subtraction fluency graph.
  As you practice math this summer, you will record your correct number. Remember that goal is to complete all problems correctly in 9 minutes. If you need to practice, check the FLUENCY tab in your summer learning web site. Practice daily until you reach this goal. I know you can do it.

SUBTRACTION CHALLENGE

18	13	6	17	10	5	8	9	15	16
-9	-4	-3	-9	-7	-3	-8	-3	-6	-8
17	16	10	5	8	11	15	13	11	12
-8	-7	-6	-4	-6	-2	-7	-6	-5	-6
11	12	6	8	7	8	12	11	14	14
-8	-9	-4	-3	-6	-4	-5	-7	-7	-6
11	12	7	15	9	2	7	10	13	10
-6	-4	-3	-8	-0	-2	-1	-2	-9	-8
11	5	10	5	3	13	11	5	9	7
-4	-2	-4	-1	-0	-7	-6	-5	-4	-0
2	12	4	13	16	8	6	9	8	15
-0	-8	-2	-8	-9	-2	-0	-9	-0	-9
13	5	6	9	14	10	8	7	11	9
-5	-0	-2	-7	-5	-3	-5	-2	-9	-5
7	10	14	10	9	4	9	7	12	3
-4	-2	-9	-5	-2	-3	-6	-5	-3	-2
12	6	14	8	11	3	6	6	8	17
-7	-6	-8	-7	-3	-3	-1	-5	-1	-9
15	13	5	4	7	9	10	4	16	8
-8	-6	-2	-0	-7	-8	-9	-4	-8	-1

Number correct in 8 minutes _____

DAY 3

Kevin's band class starts at 10:15. His class is 55 minutes. When does his band class end?

Complete multiplication fluency practice sheet

- ✓ Set your timer for 9 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 9 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 9 minutes? Record your number in multiplocation fluency graph.

As you practice math this summer, you will record your correct number . Remember that goal is to complete all problems correctly in 9 minutes. If you need to practice, check the FLUENCY tab in your summer learning web site. Practice daily until you reach this goal. I know you can do it

Complete division fluency practice sheet

- ✓ Set your timer for 9 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 9 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 9 minutes? Record your number in division fluency graph.

As you practice math this summer, you will record your correct number . Remember that goal is to complete all problems correctly in 9 minutes. If you need to practice, check the FLUENCY tab in your summer learning web site. Practice daily until you reach this goal. I know you can do it

Multiplication Challenge

3	9	0	9	5	2	5	4	6	9
x 9	x 9	x 4	x 2	x 3	x 7	x 2	x 7	x 7	x 1
5	2	6	8	9	3	4	7	1	8
x 8	x 3	x 4	x0	x 7	x 5	X6	x 3	x 6	x 4
1	6	3	6	2	3	7	4	9	0
x 3	x 3	x 4	x 1	x 0	x 6	x 5	x 3	x 5	x 3
2	6	2	9	7	3	5	6	4	8
x 8	x 6	x 6	x 1	x 9	x 3	x 5	x 2	x 0	x 8
4	8	3	6	2	2	1	4	7	8
x 1	x 8	x 6	x 4	x 2	x 9	x 7	x 8	x 0	x 3
7	5	8	5	6	3	5	0	3	2
x 1	x 0	x 5	x 8	x 0	x 2	x 7	x 8	x 3	x 4
3	9	3	5	4	7	1	6	7	3
x 7	x 4	x 2	x 4	x 4	x 8	x 2	x 6	x 5	x 9
8	2	5	7	0	3	3	9	6	8
x 9	x 5	x 9	x 4	x 5	x 8	x 8	x 8	x 9	x 7
1	9	1	6	3	6	2	8	0	7
x 5	x 6	x 8	x 5	x 4	x 8	x 5	x 2	x 0	x 7
7	9	6	0	9	5	4	8	7	4
x 6	x 3	x 2	x 7	x 4	x 6	x 9	x 6	x 2	x 6

Number correct in 9 minutes _____

Challenge

8) 32	8) 72	1) 5	4) 20	9) 63
6) 0	4) 28	9) 18	3) 24	4) 12
4) 36	5) 10	2) 14	5) 35	3) 9
6) 6	9) 63	4) 16	3) 12	3) 27
8) 64	4) 16	2) 6	8) 24	1) 3
1) 9	8) 16	2) 2	1) 1	4) 12
6) 54	3) 15	6) 18	9) 72	7) 14
8) 0	3) 6	7) 14	1) 0	7) 49
3) 18	6) 18	2) 18	5) 25	4) 24
4) 36	8) 56	4) 8	9) 27	8) 48
7) 56	9) 45	6) 30	5) 15	7) 28
8) 72	3) 21	7) 21	8) 40	6) 24
2) 16	1) 3	5) 15	4) 32	5) 30
9) 45	2) 4	3) 15	7) 7	5) 20
6) 36	6) 0	6) 42	6) 48	9) 54
9) 36	2) 16	9) 27	5) 0	8) 32
6) 54	5) 45	8) 64	4) 24	5) 40
3) 12	1) 7	4) 32	2) 8	3) 9
5) 5	7) 56	9) 81	7) 42	4) 28
6) 6	7) 63	7) 21	7) 35	2) 10

SMAD Challenge

Division
Level 4 Test C

5) 15	2) 16	3) 15	1) 3	5) 30
9) 18	6) 0	3) 24	4) 28	4) 12
1) 5	8) 32	4) 20	8) 72	9) 63
4) 16	6) 6	3) 12	9) 63	3) 27
4) 8	4) 36	9) 27	8) 56	8) 48
2) 0	1) 9	1) 1	8) 16	4) 12
6) 18	6) 54	9) 72	3) 15	7) 14
7) 14	8) 0	1) 0	3) 6	7) 49
2) 6	3) 18	5) 25	6) 18	4) 24
9) 18	5) 5	7) 42	7) 56	4) 28
6) 30	7) 56	5) 15	9) 45	7) 28
2) 10	4) 36	5) 35	5) 10	3) 9
2) 6	8) 64	8) 24	4) 16	1) 3
3) 15	9) 45	7) 7	2) 4	5) 20
6) 42	6) 36	6) 48	6) 0	9) 54
3) 21	6) 6	7) 35	7) 63	2) 10
8) 64	6) 54	4) 24	5) 45	5) 40
4) 32	9) 27	2) 8	1) 7	3) 9
7) 21	8) 72	8) 40	3) 21	6) 24
7) 49	9) 36	5) 0	2) 16	8) 32

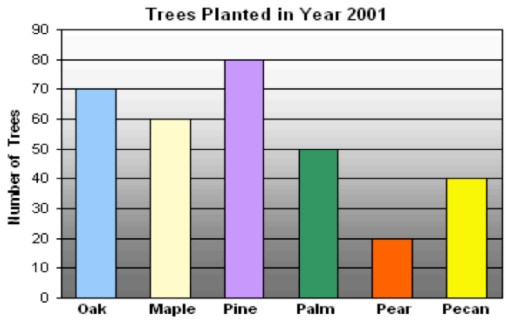
Name _____ Score _____/100

SMAD FLASH

_____Oops! Need to practice at this level.
_____Almost there ~ keep trying!
_____Congratulations!
You are ready to move to the next level.

DAY 1

The bar graph shows the number of each type of tree that was planted in 2001.

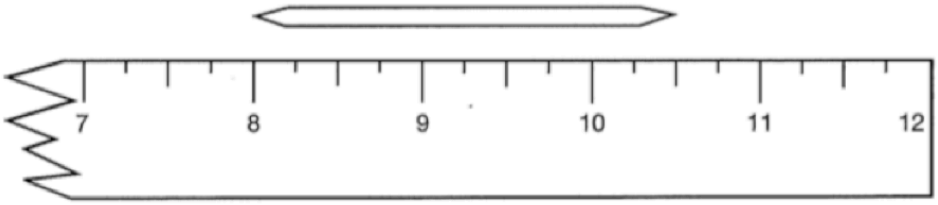


How many more oak trees were planted than palm trees?

How many fewer pear trees were planted than pecan trees?

What type of tree was planted the most?

How long is the nail in this picture? _____ inches



Complete multiplication fluency practice sheet

- ✓ Set your timer for 9 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 9 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 9 minutes? Record your number in multiplication fluency graph.

As you practice math this summer, you will record your correct number . Remember that goal is to complete all problems correctly in 9 minutes. If you need to practice, check the FLUENCY tab in your summer learning web site. Practice daily until you reach this goal. I know you can do it

MULTPLICATION CHALLENGE

3	9	0	9	5	2	5	4	6	9
x 9	x 9	x 4	x 2	x 3	x 7	x 2	x 7	x 7	x 1
5	2	6	8	9	3	4	7	1	8
x 8	x 3	x 4	x0	x 7	x 5	X6	x 3	x 6	x 4
1	6	3	6	2	3	7	4	9	0
x 3	x 3	x 4	x 1	x 0	x 6	x 5	x 3	x 5	x 3
2	6	2	9	7	3	5	6	4	8
x 8	x 6	x 6	x 1	x 9	x 3	x 5	x 2	x 0	x 8
4	8	3	6	2	2	1	4	7	8
x 1	x 8	x 6	x 4	x 2	x 9	x 7	x 8	x 0	x 3
7	5	8	5	6	3	5	0	3	2
x 1	x 0	x 5	x 8	x 0	x 2	x 7	x 8	x 3	x 4
3	9	3	5	4	7	1	6	7	3
x 7	x 4	x 2	x 4	x 4	x 8	x 2	x 6	x 5	x 9
8	2	5	7	0	3	3	9	6	8
x 9	x 5	x 9	x 4	x 5	x 8	x 8	x 8	x 9	x 7
1	9	1	6	3	6	2	8	0	7
x 5	x 6	x 8	x 5	x 4	x 8	x 5	x 2	x 0	x 7
7	9	6	0	9	5	4	8	7	4
x 6	x 3	x 2	x 7	x 4	x 6	x 9	x 6	x 2	x 6

Number correct in 9 minutes _____

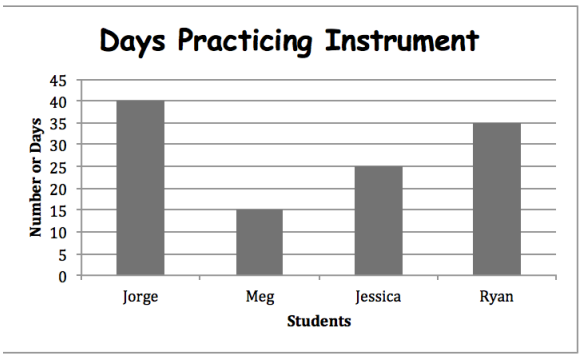
DAY 2

The chart shows the number of days band students practiced their instruments.

What is the total number of days practiced for these students?

Jorge practiced 5 days every week. How many weeks did Jorge practice?

Jake is missing from the graph. He practiced 15 days more than Meg and Jessica combined. How many days did Jake practice?



Your teacher was just awarded $1,000 to spend on materials for your classroom. She asked all 20 of her students in the class to help her decide how to spend the money. Think about which supplies will benefit the class the most. Below is a chart of all the materials and their cost

Supplies	Cost
A box of 20 markers	$5
A box of 100 crayons	$8
A box of 60 pencils	$5
A box of 5,000 pieces of printer paper	$40
A package of 10 pads of lined paper	$15
A box of 50 pieces of construction paper	$32
Books and maps	
A set of 20 books about science	$250
A set of books about the 50 states	$400
A story book (there are 80 to choose from)	$8
A map: there is one of your city, one for every state, one of the country, and one of the world to choose from	$45
Puzzles and games	
Puzzles (there are 30 to choose from)	$12
Board games (there are 40 to choose from)	$15
Interactive computer games (math and reading)	$75
Special Items	
A bean bag chair for the reading corner	$65
A class pet	$150
Three month's supply of food for a class pet	$55

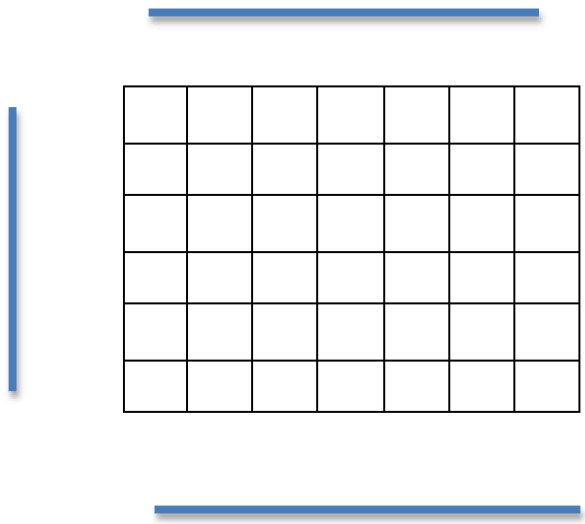
1. Write down the different items and how many of each you would choose. Find the total for each category.
   - Supplies
   - Books and maps
   - Puzzles and games
   - Special items
2. Create a bar graph to represent how you would spend the money. Scale the vertical axis by $100. Write all of the labels.
3. What was the total cost of all your choices? Did you have any money left over? If so, how much?

DAY 3

Complete the activity in the attachment. In this activity you will measure strips of paper and create a line plot.

Draw a bar graph to display the following data

Student	#of Pets
Mary	4
Tim	2
Susan	9
Jerry	5
Bob	6



1) How many pets do the students have altogether?

2) How many fewer pets does Mary have than Susan?

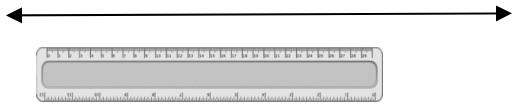
Complete division fluency practice sheet

- ✓ Set your timer for 9 minutes.
- ✓ Work as fast as you can. Put a line under the last problem you solved in 9 minutes.
- ✓ When you are done, have an adult check your answers.
- ✓ How many did you get right in 9 minutes? Record your number in division fluency graph.

As you practice math this summer, you will record your correct number. Remember that goal is to complete all problems correctly in 9 minutes. web site. Practice daily until you reach this goal.

Measuring Strips Line Plot

Materials: Set of strips, ruler



1. Measure each strip to the nearest ½ inch. Record the data in a table showing the strip letter and the measurement.

2. Use your data to create a line plot. Draw a horizontal line and record the scale.

3. Give your line plot a title and label the horizontal axis.

4. Plot your data by recording an X above the correct number for each strip measured. If a measurement is repeated place one X above the other.

5. Write three statements about the data in your line plot.

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

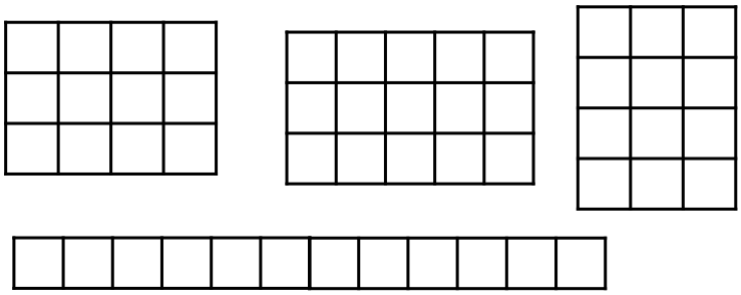
Strip Name	Measurement
A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	
L	
M	
N	
O	
P	

Challenge

8) 32	8) 72	1) 5	4) 20	9) 63
6) 0	4) 28	9) 18	3) 24	4) 12
4) 36	5) 10	2) 14	5) 35	3) 9
6) 6	9) 63	4) 16	3) 12	3) 27
8) 64	4) 16	2) 6	8) 24	1) 3
1) 9	8) 16	2) 2	1) 1	4) 12
6) 54	3) 15	6) 18	9) 72	7) 14
8) 0	3) 6	7) 14	1) 0	7) 49
3) 18	6) 18	2) 18	5) 25	4) 24
4) 36	8) 56	4) 8	9) 27	8) 48
7) 56	9) 45	6) 30	5) 15	7) 28
8) 72	3) 21	7) 21	8) 40	6) 24
2) 16	1) 3	5) 15	4) 32	5) 30
9) 45	2) 4	3) 15	7) 7	5) 20
6) 36	6) 0	6) 42	6) 48	9) 54
9) 36	2) 16	9) 27	5) 0	8) 32
6) 54	5) 45	8) 64	4) 24	5) 40
3) 12	1) 7	4) 32	2) 8	3) 9
5) 5	7) 56	9) 81	7) 42	4) 28
6) 6	7) 63	7) 21	7) 35	2) 10

DAY 1

Select all rugs that have 12 square feet?

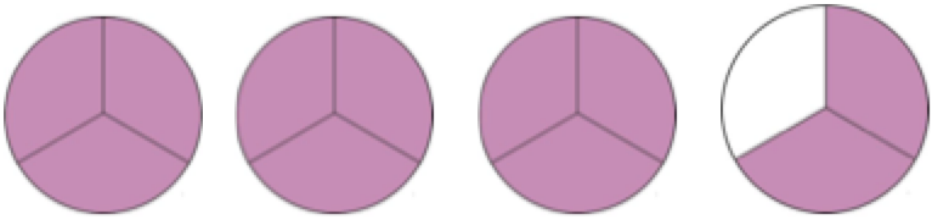


1. Round the following to the nearest hundred and to the nearest 10:

163 _____ _____ 249 _____ _____

609 _____ _____ 372 _____ _____

3. Write as a mixed number:



Follow the number patterns to complete the tables:

A	B
6	18
7	
8	24

A	B
5	20
	28
9	36

DAY 2

Find the difference

800	650	1,000
-- 597	-- 597	-- 597

Diana needed to bake 54 pies. Her oven can bake 6 pies an hour. How long will it take her to bake all of the pies?

Select all of the expressions that can be used to find 4 x 10

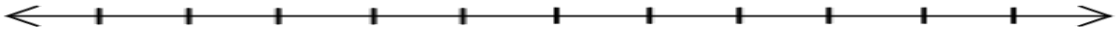
4 x (2 x 5)	(4 x 2) x 5
4 + (2 x 5)	(10 x 4)

For each selected expression, solve the problem and explain your reasoning

DAY 3

Order the fractions below on the number line

1/8, 5/8, 3/8, 7/8, 2/8



It's 10:45 a.m. now. How many minutes until 1:45 p.m.

Tony sold 316 tickets on Friday, 427 tickets on Saturday, and 240 tickets on Sunday. He gets a bonus if he sells at least 1,000 tickets. Will he get his bonus?

Mark an X on the number line that shows where $\frac{1}{4}$ is.

Mark an X on the number line that shows where $\frac{4}{5}$ is.