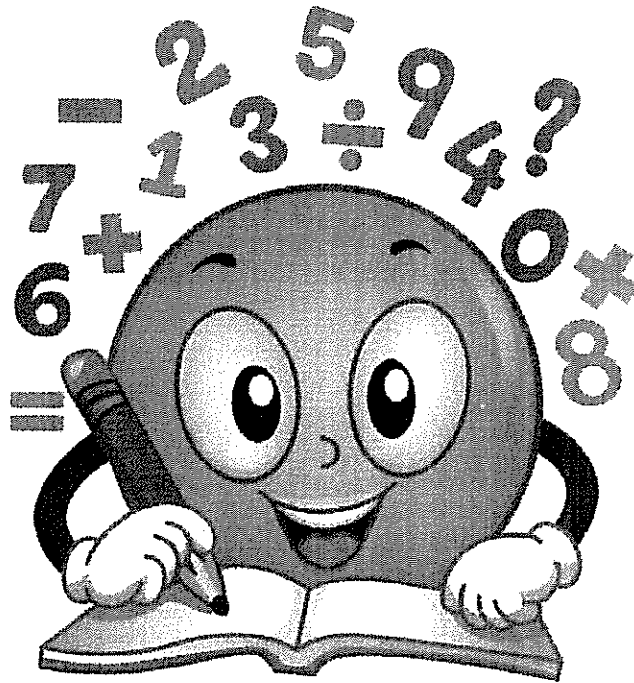


3rd Grade
Math Packet

Phase II

Distance Learning

3rd Grade Math
Distance Learning
Packet



Directions

- Work for at least 30 minutes per day
- Underline important math vocabulary and information to help you with your thinking
- Show your work

3.OA.1

My Score:

Name _____ Date _____

1. In the math sentence 5×7 which number represents how many groups there are?

2. In the math sentence 3×8 which number represents how many are in each group?

3. Kyra purchased 5 boxes of doughnuts. Each box has 2 doughnuts in it. How many doughnuts did Kyra purchase?

4. Henry earns \$2.00 every week for doing his chores. After 4 weeks of doing chores how much has he earned?

5. Write a math sentence for 4, 6, and 24.

3.OA.1

My Score:

Name _____ Date _____

1. In the math sentence 2×5 which number represents how many groups there are?

2. In the math sentence 1×9 which number represents how many are in each group?

3. Kyra purchased 2 boxes of doughnuts. Each box has 10 doughnuts in it. How many doughnuts did Kyra purchase?

4. Henry earns \$4.00 every week for doing his chores. After 4 weeks of doing chores how much has he earned?

5. Write a math sentence for 5, 6, and 30.

3.OA.2

My Score:

Name _____ Date _____

1. Trish made 10 cookies. Trish has 2 bags and wants to fill them equally. How many cookies fit in each bag?

2. There are 24 pieces of candy. Emily wants to give 6 friends the same number of pieces of candy. How many did they each get?

3. Susie made 15 cookies. She wants 5 cookies in each bag. How many bags does she need?

4. Tim has 14 baseball cards. He wants each friend to get 7. How many friends can Tim give baseball cards to?

5. Write a story problem for the math sentence $36 \div 9 = 4$.

3.OA.2

My Score:

Name _____ Date _____

1. Trish made 28 cookies. Trish has 7 bags and wants to fill them equally. How many cookies fit in each bag?

2. There are 56 pieces of candy. Emily wants to give 7 friends the same number of pieces of candy. How many did they each get?

3. Susie made 16 cookies. She wants 4 cookies in each bag. How many bags does she need?

4. Tim has 32 baseball cards. He wants each friend to get 8. How many friends can Tim give baseball cards to?

5. Write a story problem for the math sentence $81 \div 9 = 9$.

3.OA.3

My Score:

Name _____ Date _____

1. 27 people can ride on a roller coaster at one time. Each car seats 3 people. How many cars are on the roller coaster?

2. There are 4 rows of apples with 6 apples in each row. How many apples are there?

3. If 18 orange trees are arranged into equal rows of 6 orange trees, how many rows will there be?

4. There are 8 bags with 4 toys in each bag. How many toys are there in total?

5. Write a story problem for the math sentence $3 \times 7 = 21$.

3.OA.3

My Score:

Name _____ Date _____

1. 48 people can ride on a roller coaster at one time. Each car seats 6 people. How many cars are on the roller coaster?

2. There are 5 rows of apples with 3 apples in each row. How many apples are there?

3. If 21 orange trees are arranged into equal rows of 7 orange trees, how many rows will there be?

4. There are 9 bags with 2 toys in each bag. How many toys are there in total?

5. Write a story problem for the math sentence $4 \times 9 = 36$.

3.OA.4

My Score:

Name _____ Date _____

1. $4 \times \underline{\quad} = 32$

2. $\underline{\quad} \times 3 = 24$

3. Rachel has 4 bags. There are 4 balls in each bag. How many balls does Rachel have all together?

4. Sarah has 6 coloring boxes. Each box has 2 scissors in it. How many scissors does Sarah have all together?

5. Solve $28 \div n = 4$.

$n = \underline{\quad}$

How does the equation $4 \times 7 = 28$ help you?

3.OA.4

My Score:

Name _____ Date _____

1. $5 \times \underline{\quad} = 30$

2. $\underline{\quad} \times 3 = 21$

3. Rachel has 3 bags. There are 4 balls in each bag. How many balls does Rachel have all together?

4. Sarah has 8 coloring boxes. Each box has 4 scissors in it. How many scissors does Sarah have all together?

5. Solve $36 \div n = 4$.

$n = \underline{\quad}$

How does the equation $4 \times 9 = 36$ help you?

3.OA.6

My Score:

Name _____ Date _____

1. Write $2 \times 9 = 18$ as a division sentence.

2. Write $3 \times 4 = 12$ as a division sentence.

3. Use a drawing to show $2 \times 2 = 4$ as a division sentence.

4. Joe knows $4 \times 6 = 24$. Use this to help find your answer. 24 doughnuts are divided into 4 boxes. Write a division sentence for how many doughnuts are in each box.

5. Sarah doesn't know the answer to 63 divided by 7. How could she use multiplication to solve this problem?

3.OA.6

My Score:

Name _____ Date _____

1. Write $3 \times 6 = 18$ as a division sentence.

2. Write $7 \times 6 = 42$ as a division sentence.

3. Use a drawing to show $5 \times 2 = 10$ as a division sentence.

4. Joe knows $6 \times 6 = 36$. Use this to help find your answer. 36 doughnuts are divided into 6 boxes. Write a division sentence for how many doughnuts are in each box.

5. Sarah doesn't know the answer to 72 divided by 8. How could she use multiplication to solve this problem?

3.OA.8

My Score:

Name _____ Date _____

1. Mike runs 3 miles a day. His goal is to run 30 miles. After 4 days how many miles does Mike have left to run in order to make his goal?

2. Jim has been saving for a new video game. It costs \$59. He has \$22. How much more does he need to save?

3. Karen earned 5 good behavior tickets yesterday. Kendall earned twice as many. How many did they earn all together?

4. Keri has been saving for new shoes. She saved 8 dollars last week, and 13 dollars this week. The shoes she wants to buy cost 54 dollars. How much more does Keri need to buy shoes?

5. On vacation your family travels 172 miles on the first day, 120 miles on the second one, and 50 miles on the third one. Your sister estimates that you drove 300 miles Is this a reasonable estimate, why or why not?

3.OA.8

My Score:

Name _____ Date _____

1. Mike runs 2 miles a day. His goal is to run 20 miles. After 5 days how many miles does Mike have left to run in order to make his goal?

2. Jim has been saving for a new video game. It costs \$88. He has \$37. How much more does he need to save?

3. Karen earned 6 good behavior tickets yesterday. Kendall earned twice as many. How many did they earn all together?

4. Keri has been saving for new shoes. She saved 20 dollars last week, and 5 dollars this week. The shoes she wants to buy cost 40 dollars. How much more does Keri need to buy shoes?

5. On vacation your family travels 146 miles on the first day, 180 miles on the second one, and 60 miles on the third one. Your sister estimates that you drove 200 miles Is this a reasonable estimate, why or why not?

3.OA.9

My Score:

Name _____ Date _____

1. Fill in the pattern below.

4	8
6	12
8	
10	

2. Fill in the pattern below.

3	9
6	12
9	
12	

3. Fill in the pattern below.

7	14
14	21
21	
28	

4. Fill in the pattern below.

5
10

5. Which number does not belong in the pattern below? Explain your answer.

4, 8, 12, 16, 20, 24, 26, 28, 32

3.OA.9

My Score:

Name _____ Date _____

1. Fill in the pattern below.

4	6
6	8
8	
10	

2. Fill in the pattern below.

2	6
6	10
8	
10	

3. Fill in the pattern below.

4	8
6	12
8	
10	

4. Fill in the pattern below.

7
14

5. Which number does not belong in the pattern below? Explain your answer.

5, 10, 15, 20, 25, 30, 32, 35, 40

3.NBT.2

My Score:

Name _____ Date _____

1. Add

$$\begin{array}{r} 386 \\ + 147 \\ \hline \end{array}$$

2. Subtract

$$\begin{array}{r} 861 \\ - 482 \\ \hline \end{array}$$

3. There are 712 people in auditorium A. There are 486 in auditorium B. how many more people are in auditorium A than B?

4. Carly has 128 pieces of candy. Her sister has 542. How many pieces do they have all together?

5. Write directions to teach a younger student how to solve this problem.

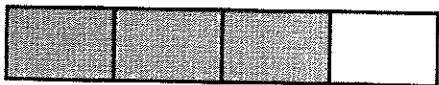
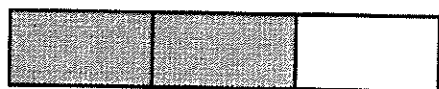
$$\begin{array}{r} 833 \\ + 622 \\ \hline \end{array}$$

3.NF.1

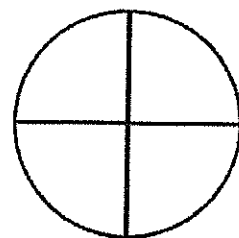
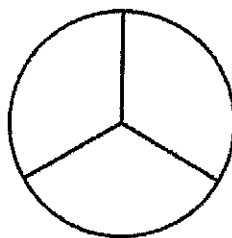
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Name _____ Date _____

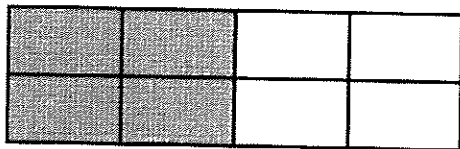
1. Circle which piece is $\frac{3}{4}$ shaded.



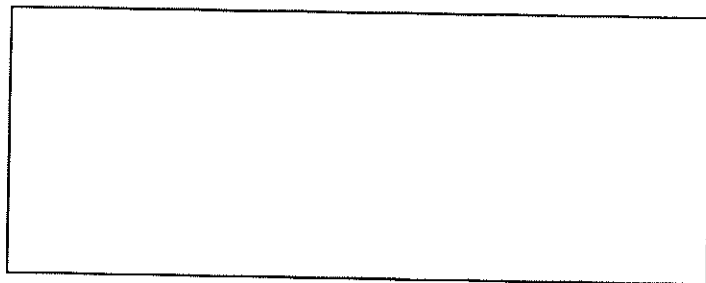
2. Circle which shape is correctly split into thirds.



3. The shaded portion has already been eaten. Write a fraction that represents the amount of the candy bar that has been eaten.



4. Shade in $\frac{1}{2}$ of the rectangle.



5. Shade in $\frac{2}{3}$ of the rectangle. Explain how you figured this out.

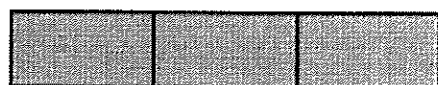
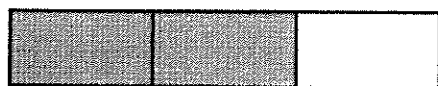


3.NF.1

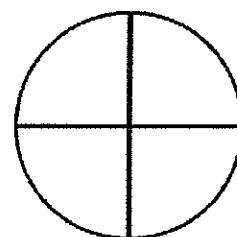
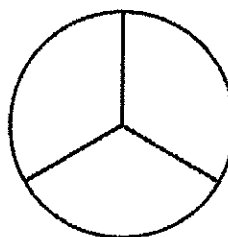
My Score:

Name _____ Date _____

1. Circle which piece is $\frac{1}{3}$ shaded.



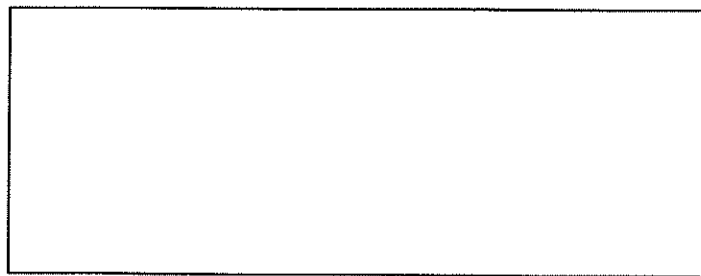
2. Circle which shape is correctly split into fourths.



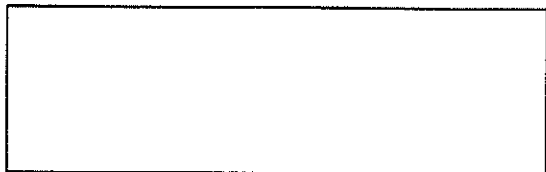
3. The shaded portion has already been eaten. Write a fraction that represents the amount of the candy bar that has been eaten.



4. Shade in $\frac{1}{4}$ of the rectangle.



5. Shade in $\frac{2}{3}$ of the rectangle. Explain how you figured this out.



3.NF.2

My Score:

Name _____ Date _____

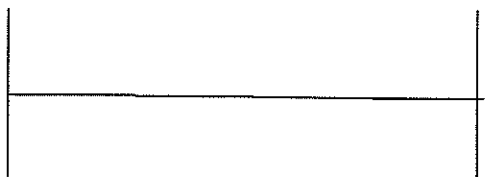
1. Divide the number line into 2 equal regions. Label the number line.



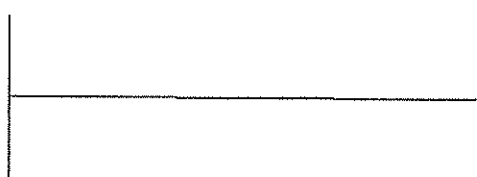
2. Place $\frac{1}{3}$ on the number line.



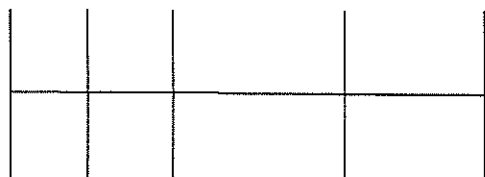
3. Place $\frac{2}{6}$ on the number line.



4. Divide the number line into 3 equal parts.



5. James divided a number line into 4 equal parts. Did he do it correctly, why or why not?



3.NF.2

My Score:

Name _____ Date _____

1. Divide the number line into 4 equal regions. Label the number line.



2. Place $\frac{1}{4}$ on the number line.



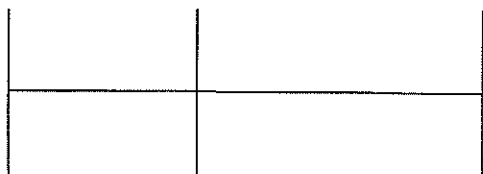
3. Place $\frac{3}{5}$ on the number line.



4. Divide the number line into 5 equal parts.



5. James divided a number line into 2 equal parts. Did he do it correctly, why or why not?



3.NF.3

My Score:

Name _____ Date _____

1. Compare using $<$, $>$ or $=$.

$$\frac{2}{6} \bigcirc \frac{5}{6}$$

2. Use pictures and/or words to explain.

$$\frac{1}{2} = \frac{2}{4}$$

3. Write 3 as a fraction.

4. Write $5/1$ as a whole number.

5. Sam ate $\frac{1}{2}$ of a small pizza. Zack ate $\frac{1}{2}$ of a large pizza. Did they eat the same amount of pizza? Use pictures and/or words to explain your answer.

3.NF.3

My Score:

Name _____ Date _____

1. Compare using $<$, $>$ or $=$.

$$\frac{1}{5} \bigcirc \frac{3}{5}$$

2. Use pictures and/or words to explain.

$$\frac{1}{2} = \frac{3}{6}$$

3. Write 6 as a fraction.

4. Write $\frac{4}{1}$ as a whole number.

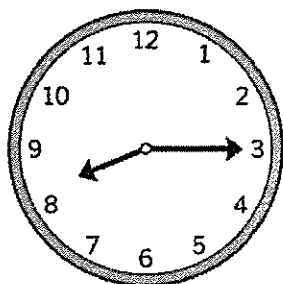
5. Sam ate $\frac{1}{4}$ of a small pizza. Zack ate $\frac{1}{4}$ of a large pizza. Did they eat the same amount of pizza? Use pictures and/or words to explain your answer.

3.MD.1

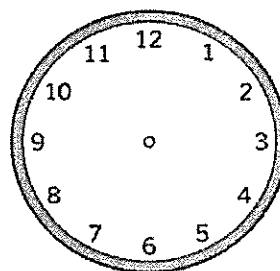
My Score:

Name _____ Date _____

1. What time is on the clock?

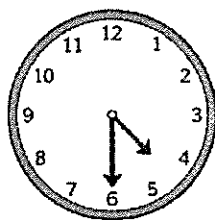


2. Draw the hands on the clock face to make it match the time on the digital clock.



7:20

3. Circle the digital clock that matches the analog clock.



6:20

4:30

5:30

4. A plane arrives to Detroit Metro Airport at 3 p.m. It was $2\frac{1}{2}$ hour flight. When did the plane take off?

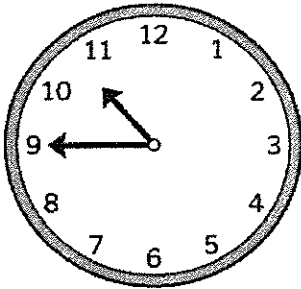
5. Valerie gets up at 6:40. It takes her 5 minutes to brush her teeth, 15 minutes to pick out clothes and get dressed, then 20 minutes to eat breakfast. What time is she ready for school? How did you figure out the answer?

3.MD.1

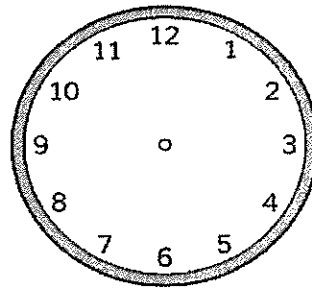
My Score:

Name _____ Date _____

1. What time is on the clock?

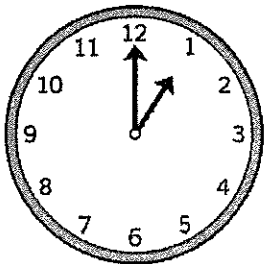


2. Draw the hands on the clock face to make it match the time on the digital clock.



1:55

3. Circle the digital clock that matches the analog clock.



1:00

12:00

2:00

4. A plane arrives to Detroit Metro Airport at 5:30 p.m. It was 3 hour flight. When did the plane take off?

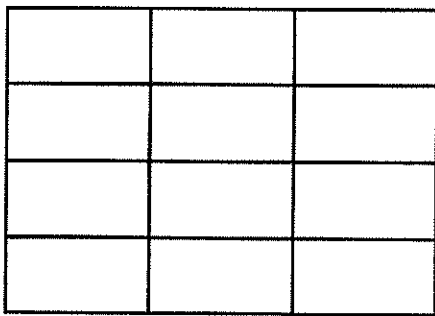
5. Valerie gets up at 7:00. It takes her 3 minutes to brush her teeth, 20 minutes to pick out clothes and get dressed, then 15 minutes to eat breakfast. What time is she ready for school? How did you figure out the answer?

3.MD.5

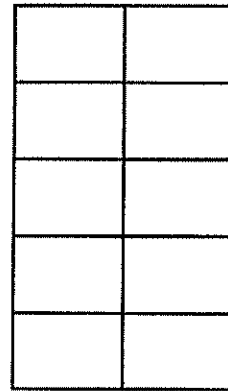
My Score: _____

Name _____ Date _____

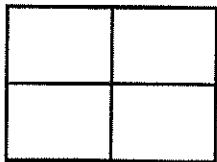
1. Find the area of the shape below.



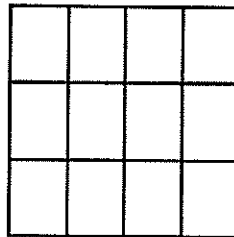
2. Find the area of the shape below.



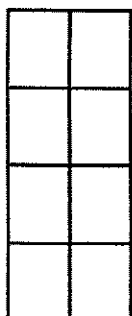
3. Christian says the area of the shape below is 4 square units. Is he correct, yes or no?



4. Tina says the area of the shape below is 12 square units. Is she correct, yes or no?



5. How can you measure the area of the object? Explain your thinking, and find the area.

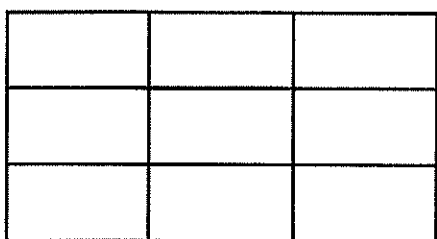


3.MD.5

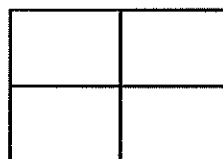
My Score:

Name _____ Date _____

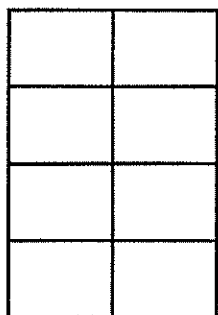
1. Find the area of the shape below.



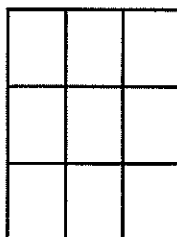
2. Find the area of the shape below.



3. Christian says the area of the shape below is 4 square units. Is he correct, yes or no?



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5. How can you measure the area of the object? Explain your thinking, and find the area.

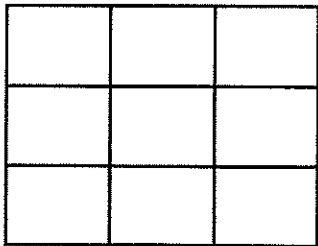


3.MD.6

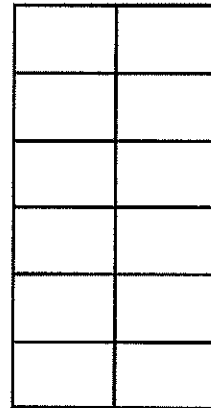
My Score:

Name _____ Date _____

1. Find the area of the square.



2. Find the area of the rectangle.



3. Draw a rectangle that has 3 rows and 3 columns.

4. Find the area of the rectangle from question number 3.

5. How could you figure out which rectangle is larger?

A

B

3.MD.7

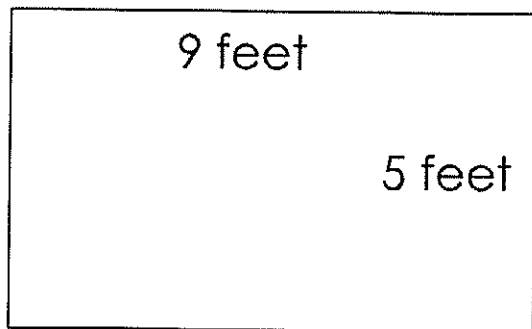
My Score:

Name _____ Date _____

1. Drew wants to tile the bathroom floor using 1 foot tiles. How many tiles does he need for a room that is 12 feet by 2 feet?

2. Teoyana wants new carpet for her bedroom. Her bedroom is 10 feet by 8 feet. How much carpeting does she need to buy to cover her bedroom?

3. Find the area.



4. Joe and Kelli made a poster that was 3 feet by 2 feet. Molly and Samir made a poster that was 4 feet by 1 feet. They are placing the poster next to each other on the wall. How much space do they need?

5. Leonard has an L shaped living room. The measurements are below. Explain how he would find the area of his living room and solve.

