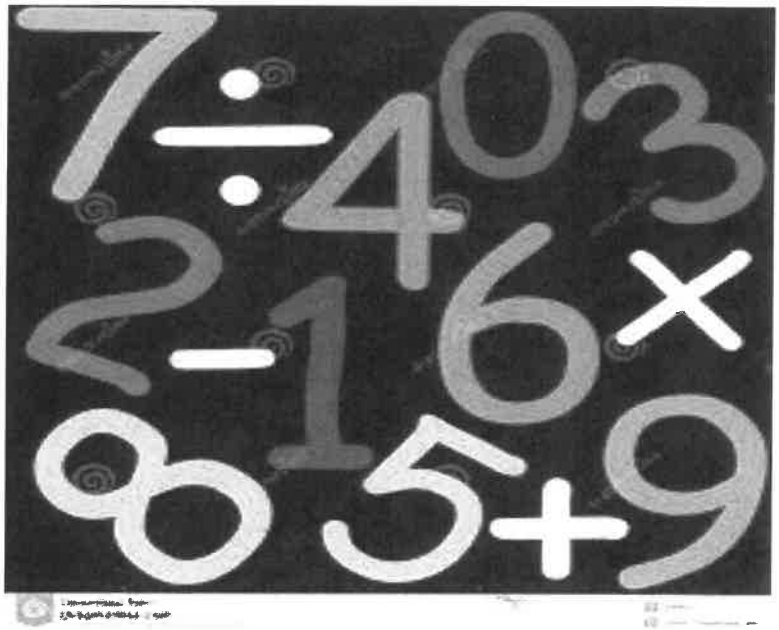
THIRD GRADE MATH SUMMER PACKET



SUMMER 2023

PATERSON PUBLIC SCHOOL #25

Name _____

Solve each problem. Show your work with pictures and equations.

1. Jayla and Trey picked some apples at the orchard. Jayla picked 12 apples. Trey picked 6. How many apples did they pick in all?

2. Six tricycles were lined up along the wall in the toy store. How many wheels were there in all?

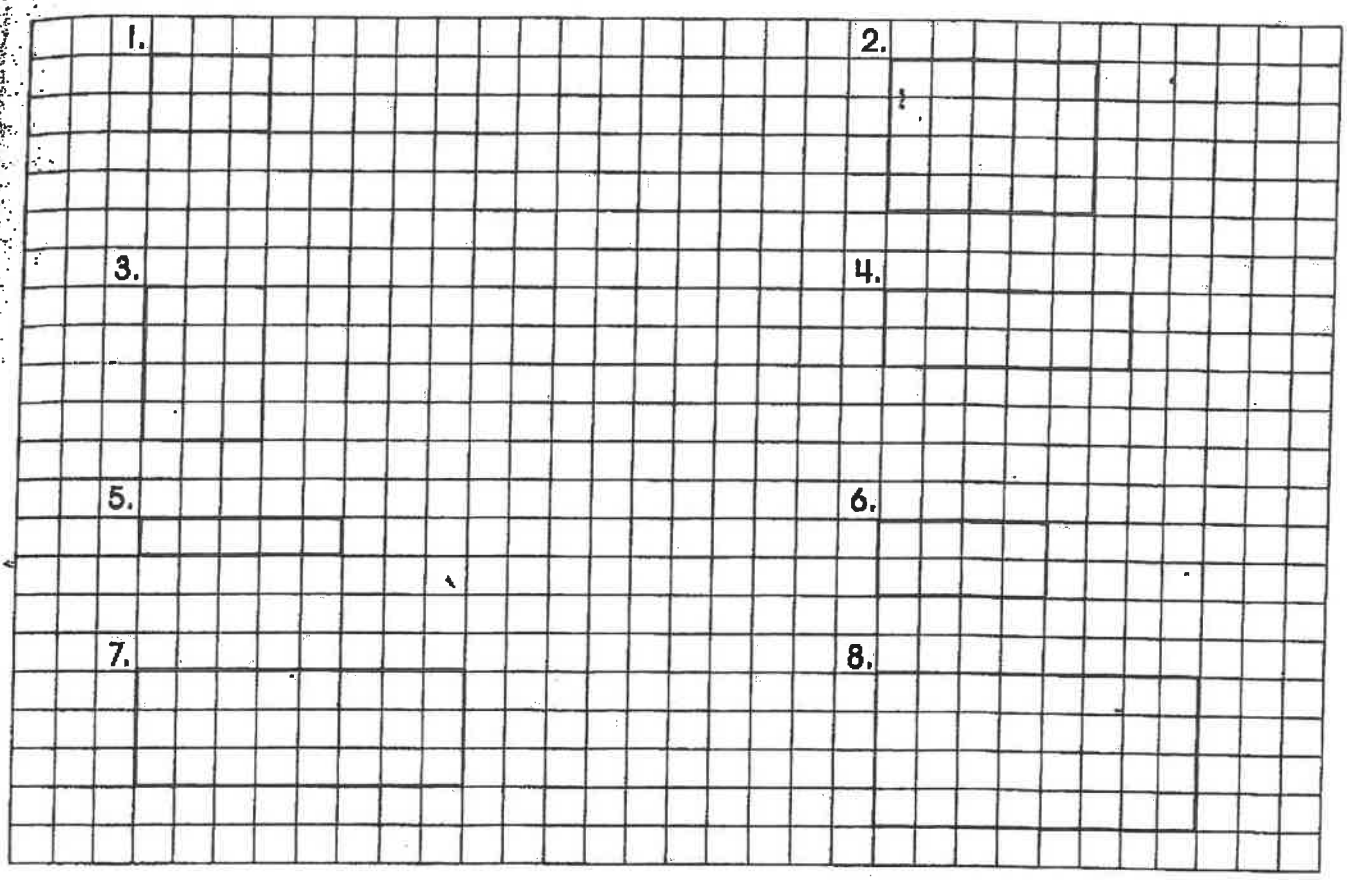
3. In the pet store, there were 18 animals. There were 6 dogs and the rest were cats. How many cats were in the pet store?

4. Sam had 5 shoe boxes. In each box, there were 4 rocks. How many rocks did he have altogether?

5. Rosa wanted to share her snack between herself and her 2 friends. She had 21 grapes in her bag. How many grapes did each friend get?

Name _____

Find the area and the perimeter of each rectangle.



1. Area = _____ square units
   Perimeter = _____ units

2. Area = _____ square units
   Perimeter = _____ units

3. Area = _____ square units
   Perimeter = _____ units

4. Area = _____ square units
   Perimeter = _____ units

5. Area = _____ square units
   Perimeter = _____ units

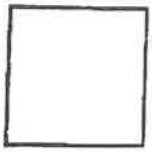
6. Area = _____ square units
   Perimeter = _____ units

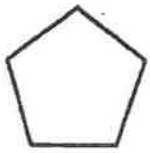
7. Area = _____ square units
   Perimeter = _____ units

8. Area = _____ square units
   Perimeter = _____ units

Name _____

Draw a line to match each polygon to its name.

1. 

2. 

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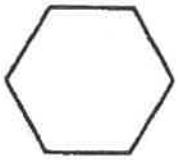
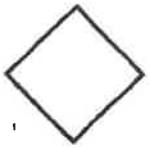
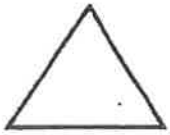
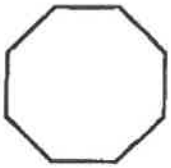
4. 

5. 

6. 

7. 

8. 

9. 

a. trapezoid

b. triangle

c. rhombus

d. square

e. parallelogram

f. rectangle

g. pentagon

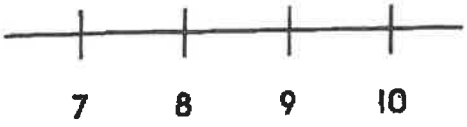
h. hexagon

i. octagon

Name _____

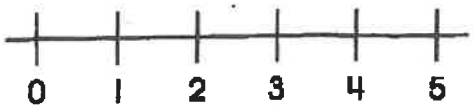
Show the data on each line plot. Then, answer the questions using the line plots.

GRAPH 1:
Ages of Kids in Class



Age	Kids
7	I
8	𝍸 II
9	𝍸 I
10	II

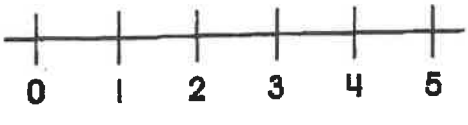
GRAPH 2:
Class Quiz Scores



Age	Kids
0	
1	I
2	I
3	IIII
4	𝍸 I
5	𝍸 III

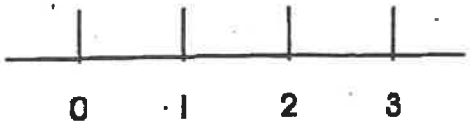
1. How many students are 8 years old? _____
2. What age are the least number of students? _____
3. What age are the greatest number of students? _____
4. How many 8- and 9-year-olds are there in this class? _____
5. What number of points was scored by no students? _____
6. How many students scored 3 or fewer points? _____
7. How many more students scored 4 points than 1 point? _____
8. How many students are in this class altogether? _____

GRAPH 3:
Books Read Last Month



Age	Kids
0	III
1	IIII
2	𝍸
3	IIII
4	III
5	II

GRAPH 4:
Times Visited the Zoo

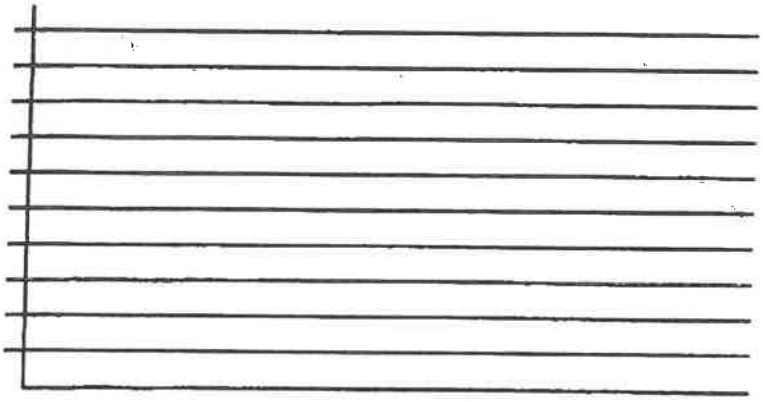


Age	Kids
0	IIII
1	𝍸 I
2	III
3	II

9. How many kids read 5 books? _____
10. How many kids read at least 2 books? _____
11. How many more kids read 1 book than read 5 books? _____
12. What number of books did most kids read? _____
13. How many students visited the zoo 3 times? _____
14. How many students have never been to the zoo? _____
15. How many students have visited the zoo 2 or more times? _____
16. How many students were surveyed for this line plot graph? _____

Name _____

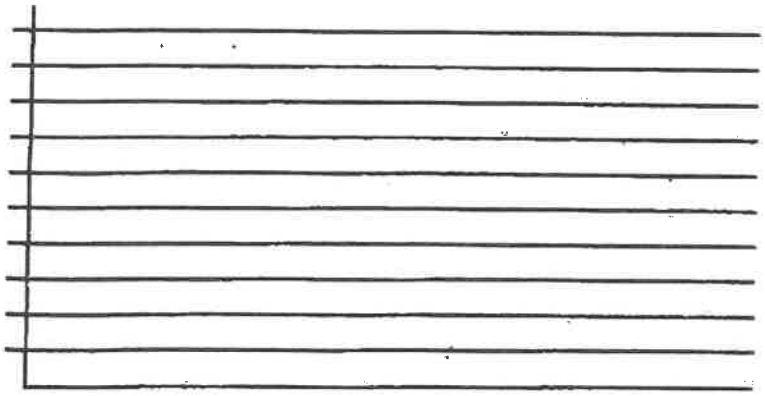
Use the information in each T-chart to complete the bar graph. Then, answer questions about the graph.



Favorite School Lunch

Lunches	Number of Kids
lasagna	𝍸
sub sandwich	𝍸 ||
grilled cheese	|||
pizza	𝍸 𝍸

1. How many students like sub sandwiches best? _____
2. What lunch choice is the overall favorite? _____
3. What lunch choice do the fewest number of students like? _____
4. How many students were asked about their favorite school lunch? _____



Favorite Summer Activity

Activity	Number of Kids
swimming	𝍸 ||
baseball	||||
soccer	𝍸
tennis	||

5. How many students like baseball? _____
6. What activity do most students like the best? _____
7. How many students like soccer or baseball? _____
8. What activity had the fewest number of kids who liked it? _____

Word Problems within One Hundred

Name:

Solve each problem.

1) For Halloween five friends were dressing as pirates. If each costume cost six dollars, how much did they spend?

2) A bouquet has nine roses in it. If a florist had seven bouquets, how many roses did they have total?

3) A library checks out three books an hour. How many books would they have checked out after six hours?

4) Faye sent five text messages a day How many texts would she have sent after four days?

5) Amy's dresser drawers could hold two pieces of clothing each. If she had eight drawers how many pieces of clothing could it hold?

6) Adam was helping his mom wash clothes. They washed eight loads with five towels in each load. How many towels did they wash total?

7) A movie theater uses eight pounds of butter for their popcorn each day After two days how many pounds of butter would they have used?

8) A delivery driver had to make two more stops on his route. At each stop he had to drop off six boxes. How many boxes does he have?

9) There are five plates in a box. If a restaurant bought four boxes, how many plates would they have total?

10) Frank was placing his spare change into stacks. Each stack had six coins. If he had five stacks, how many coins did he have all together?

11) An airline lets each passenger take two pieces of luggage. If there were five people flying, how many bags could they take total?

12) A toy store sold five board games in one day. If each game cost seven dollars, how much money did they make?

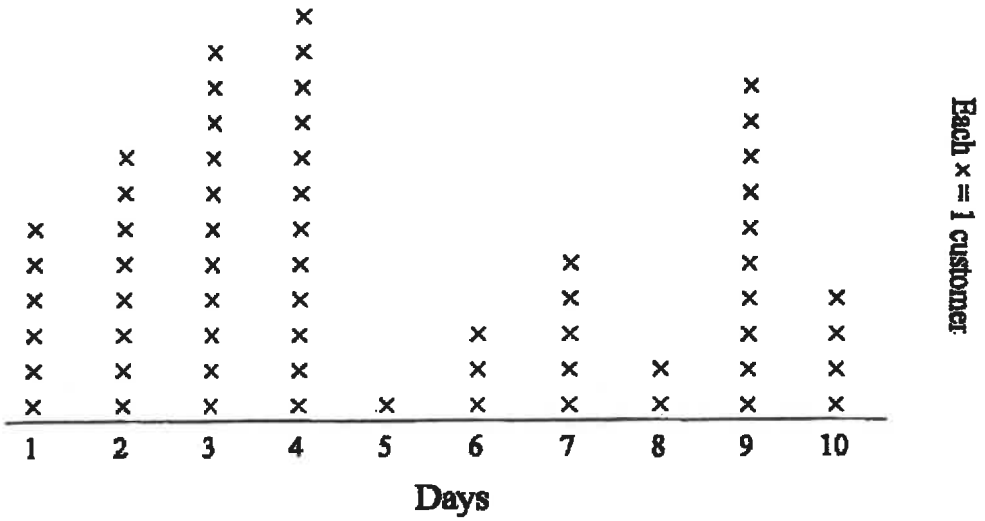
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Interpreting Line Plots

Name:

The line plot below shows the number of customers a store had each day. Use the line plot to answer the questions.



1) How many customers did they have on day 8?

2) Did they have more customers on day 5 or on day 3?

3) Did they have fewer customers on day 7 or on day 9?

4) How many days did they have more than 5 customers?

5) How many days did they have fewer than 4 customers?

6) What is the combined number of customers they had on day 4 and on day 1?

7) Which day had the most customers?

8) Which day had the fewest customers?

9) Which day (if any) had more than 11 customers?

10) What is the difference in the number of customers on day 4 and the number on day 10?

11) Which day had exactly 11 customers?

Answers

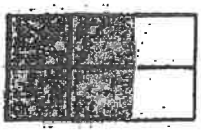
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____

Name _____ 3.NF.1

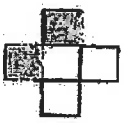
Using Models to Write Fractions

SKILLS

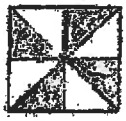
Write the fraction shown by the shaded part(s) of each model.


1. _____


2. _____


3. _____

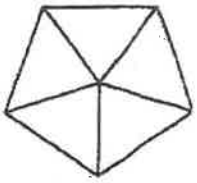

4. _____


5. _____

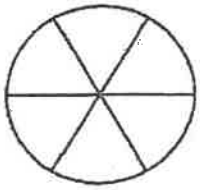

6. _____

Shade each model to show the given fraction.

7. Shade $\frac{3}{5}$.

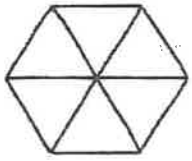


8. Shade $\frac{6}{6}$.

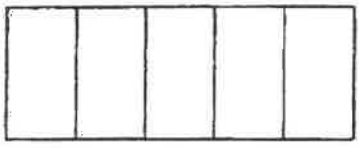


9. Shade $\frac{1}{3}$.

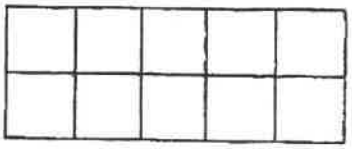
10. Shade $\frac{2}{6}$.



11. Shade $\frac{2}{5}$.



12. Shade $\frac{7}{10}$.



Write a fraction for the shaded part of each set.

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

Name _____

3.NF.3b

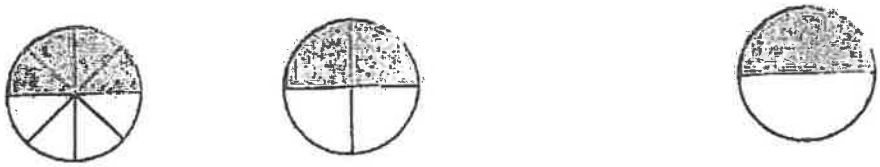
Finding Equivalent Fractions and Simplest Form

SKILLS

Write an equivalent fraction for each fraction. You may choose the number to multiply the numerator and denominator by.

1. $\frac{1}{2} =$ _____
2. $\frac{2}{5} =$ _____
3. $\frac{3}{4} =$ _____
4. $\frac{1}{9} =$ _____
5. $\frac{7}{8} =$ _____
6. $\frac{1}{3} =$ _____
7. $\frac{2}{7} =$ _____
8. $\frac{5}{9} =$ _____

9. Simplify the fraction $\frac{4}{8}$.



$\frac{4}{8}$ simplifies to _____ which simplifies to _____.

10. Simplify the fraction $\frac{16}{24}$.

$\frac{16}{24}$ simplifies to _____ which simplifies to _____.

Simplify each fraction using division.

11. $\frac{10}{14} =$ _____
12. $\frac{8}{12} =$ _____
13. $\frac{9}{15} =$ _____
14. $\frac{6}{12} =$ _____
15. $\frac{12}{16} =$ _____
16. $\frac{8}{12} =$ _____

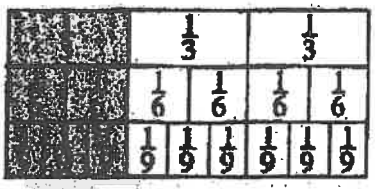
17. Circle the fractions that cannot be simplified.

a. $\frac{6}{8}$ b. $\frac{7}{8}$ c. $\frac{3}{4}$ d. $\frac{9}{10}$

Hint: If there is no number that divides evenly into both the numerator and denominator, they cannot be simplified.

Name _____

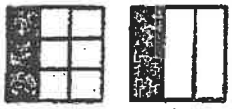
Equivalent Fractions



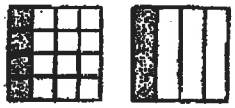
Fractions that name the same amount are called **equivalent fractions.** $\frac{1}{3}$, $\frac{2}{6}$, and $\frac{3}{9}$ are different names for the same number. So, $\frac{1}{3} = \frac{2}{6} = \frac{3}{9}$, which makes them equivalent fractions.

Directions

Complete to find the equivalent fraction.

1. 

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

2. 

$\frac{4}{16} = \frac{\square}{4}$

3. 

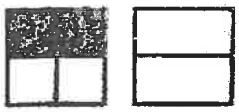
$\frac{8}{10} = \frac{\square}{5}$

4. 

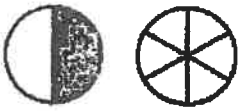
$\frac{2}{12} = \frac{\square}{6}$

Directions

Color the correct number of parts to show the equivalent fractions. Then, write the equivalent fraction.

5. 

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

6. 

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

Write odd or Even Number

Date: _____

07 = odd	802 = _____	929 = _____
381 = _____	231 = _____	38 = _____
319 = _____	172 = _____	877 = _____
817 = _____	223 = _____	338 = _____
524 = _____	402 = _____	60 = _____
776 = _____	878 = _____	32 = _____
992 = _____	336 = _____	336 = _____
82 = _____	640 = _____	11 = _____
232 = _____	213 = _____	965 = _____
937 = _____	471 = _____	35 = _____

Even Numbers
0, 2, 4, 6, 8

odd Numbers
1, 3, 5, 7, 9

Look in the ones place!