
ST. GREGORY THE GREAT CATHOLIC SCHOOL

SUMMER 2022

READING AND MATH ENRICHMENT



Students Entering Fourth Grade August 2022

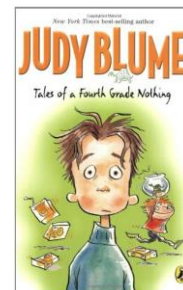
Dear St. Gregory Parents,

Happy summer! While you are enjoying your summer, please encourage your child to read as much as possible. Reading is one of the most important skills which can impact your child's academic success and confidence!

The following pages have information regarding the math and reading activities our fourth grade teachers would like your child to complete during the summer. Please send the completed activities with your child on the second day of school.

Fourth Grade Summer Reading

- Incoming Fourth grade students will read *Tales of a Fourth Grade Nothing* by Judy Blume.
- Please print the novel reflection that is to be completed after the book has been read. Have it ready to turn in to your teacher on the **second** day of school.
- In addition to the mandatory book, students will read at least two more books of their choosing. At least one of the books needs to be nonfiction.
- Record all the books that your child reads on the reading log included.



Fourth Grade Math Readiness

- Included in this packet is a math readiness packet. Please print the packet and complete all pages.
- We encourage you to pace out the packet for your child. We want students to have a break during the summer yet also review skills that they learned during third grade.
- The packet will be due to your child's teacher on the second day of school.
- Optional IXL activities are listed below.

IXL access: <http://www.ixl.com/signin/stgregory>

Username - your child's student ID@stgregory

Password - sgs

If the IXL skills change over the summer, the code in parenthesis will take you to the correct skill. Simply type in the code in the search bar and make sure it matches up with the skill description.

IXL:

- B.1 (RG2) Add two numbers up to five digits
- C.1 (VP2) Subtract numbers up to five digits
- D.1 (UH2) Multiplication facts to 10
- D.2 (NLU) Multiplication facts up to 10: find the missing factor
- D.4 (FW9) Multiplication facts to 12
- E.1 (YFU) Division Facts to 10
- E.3 (R95) Division facts to 12
- M.1 (EDW) Measuring using an inch ruler
- X.1 (42H) Identify lines of symmetry
- Z.1 (9FD) Identify three-dimensional figures

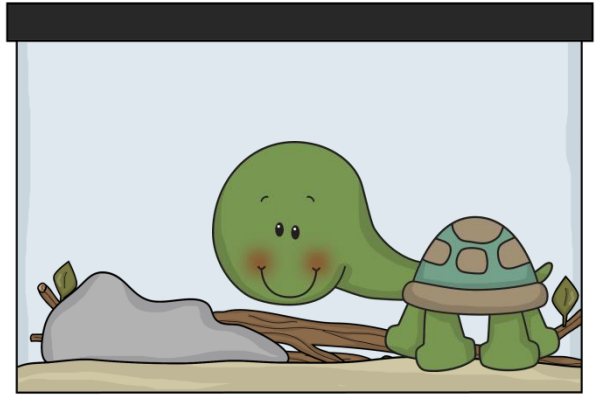
Tales of a Fourth Grade Nothing



Name: _____

Facts & Opinions

Directions: List three facts and three opinions that were expressed in chapter one.



Facts

1. _____

2. _____

3. _____

Opinions

1. _____

2. _____

3. _____

Story Sequence Chain



Directions: Choose five key events from the story and put them in sequential order. In each square, draw a small picture of the event and write a label for each illustration.

Tales of
a Fourth
Grade
Nothing

BY: JUDY BLUME

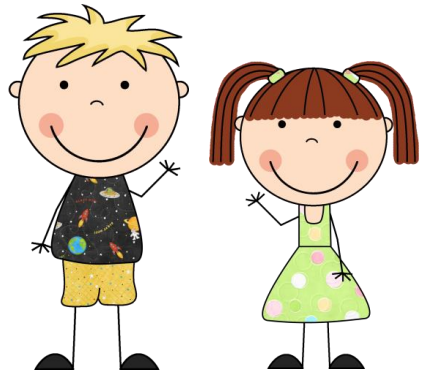


Blank box for drawing and labeling the first event in the sequence chain, containing five horizontal lines for writing.

Blank box for drawing and labeling the second event in the sequence chain, containing five horizontal lines for writing.

Blank box for drawing and labeling the third event in the sequence chain, containing five horizontal lines for writing.

The Flying Train Committee



1. Main Characters

Directions: Discuss the plot of chapter seven by filling in the boxes below.

2. Setting

3. Favorite Part

4. Conflict

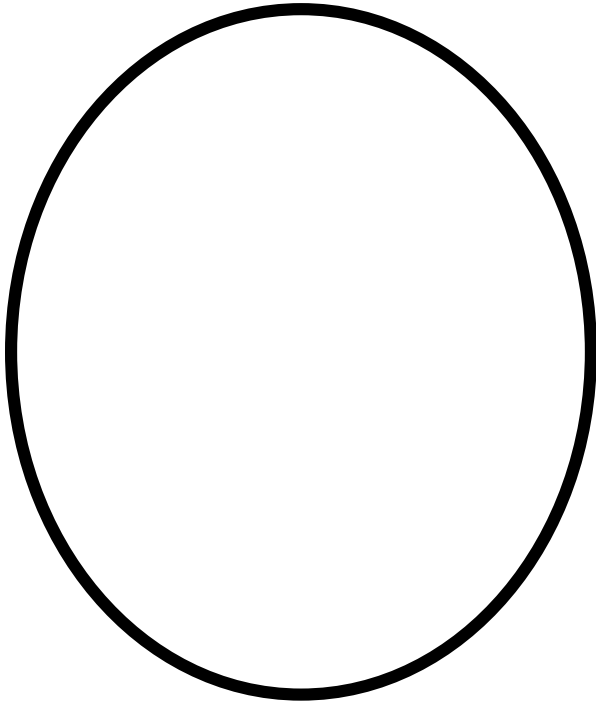


5. Climax

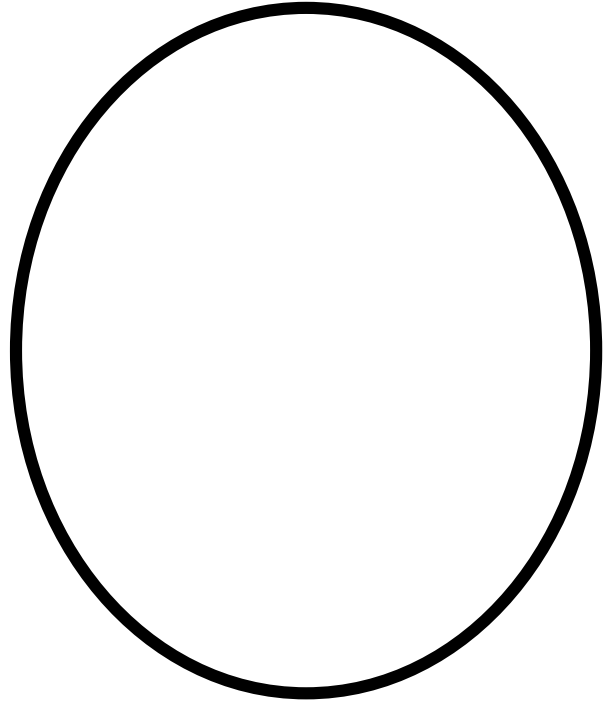
6. Conclusion

Two of a Kind

Similarity Circles



Character's Name:



Your Name:

Directions: Draw your favorite character in one circle and yourself in the second circle.
Write two sentences about each character.

Place Value

Write the following numbers in standard form:

1. three thousand, four hundred twenty seven _____
2. nine hundred sixty eight _____

Write the following numbers in expanded form:

3. 4,795 _____
4. 872 _____

Write the following numbers in word form:

5. 6,354 _____
6. $2,000 + 500 + 90 + 7$ _____

Write the following numbers in standard and expanded form:

7. four hundred six Standard Expanded

8. seven thousand five hundred nine Standard Expanded

Place Value

Compare. Use $>$, $<$ or $=$

1. $605 \bigcirc 723$

2. $1,729 \bigcirc 1,279$

3. $987 \bigcirc 987$

4. $222 \bigcirc 232$

5. $2,989 \bigcirc 2,990$

6. $479 \bigcirc 379$

Order the numbers least to greatest:

7. $3,829; 3,521; 4,721$ _____

8. $729; 862; 629$ _____

Order the numbers greatest to least:

9. $6,721; 7,121; 7,021$ _____

10. $562; 691; 828$ _____

11. Write the greatest and least 4-digit number that you can make using each of the numerals 3, 9, 7 and 5 one time:

greatest _____ least _____

12. There are 175 students in the 4th grade. There are 40 students in each of the three classes in the third grade. Which grade has more students? _____

Explain: _____

Addition

Add:

1.
$$\begin{array}{r} 4,721 \\ + 629 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 5,787 \\ + 331 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 2,821 \\ + 122 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 7,138 \\ + 1,212 \\ \hline \end{array}$$

5. The local park has 1,212 maple trees and 1,021 beech trees. How many trees are in the park? _____

Show your work:

6. On Monday, Mike's family drove 2,023 miles to Los Angeles. On Tuesday, they drove 389 miles from Los Angeles to Las Vegas. How far did Mike's family drive on Monday and Tuesday altogether? _____

Show your work:

Subtraction

Subtract. Use addition to check your answer:

$$1. \quad \begin{array}{r} 408 \\ - 37 \\ \hline \end{array}$$

$$2. \quad \begin{array}{r} 604 \\ - 492 \\ \hline \end{array}$$

$$3. \quad \begin{array}{r} 805 \\ - 75 \\ \hline \end{array}$$

Check: _____

Check: _____

Check: _____

Subtract:

$$4. \quad \begin{array}{r} \$ 9,006 \\ - \$ 7,474 \\ \hline \end{array}$$

$$5. \quad \begin{array}{r} \$ 9,003 \\ - \$ 5,295 \\ \hline \end{array}$$

$$6. \quad \begin{array}{r} \$ 3,070 \\ - \$ 2,021 \\ \hline \end{array}$$

$$7. \quad \begin{array}{r} 9,560 \\ - 7,920 \\ \hline \end{array}$$

$$8. \quad \begin{array}{r} 1,007 \\ - 972 \\ \hline \end{array}$$

$$9. \quad \begin{array}{r} 8,007 \\ - 4,836 \\ \hline \end{array}$$

10. Marty's book has 500 pages. He has read 245 pages so far. How many pages does Marty have left to read? Show your work:

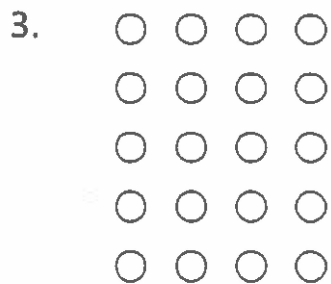
11. Susan won 3,000 tickets at the arcade. She used 1,729 tickets to buy a prize. How many tickets does she have left? Show your work:

Multiplication

Draw an array and write a multiplication sentence to solve:

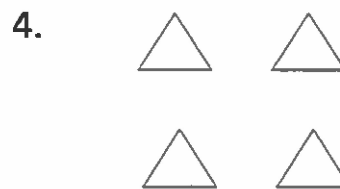
- Mrs. Smith baked a batch of cookies. She arranged the cookies in 4 equal rows of 3 cookies on the baking sheet. How many cookies did she bake?
- John arranged his collection of seashells on the table. He had 6 rows of 4 seashells. How many seashells does John have?

Write an addition sentence and a multiplication sentence to show equal rows:



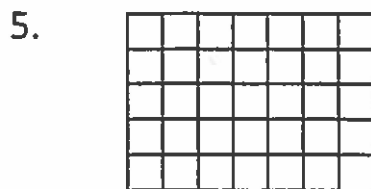
$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

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



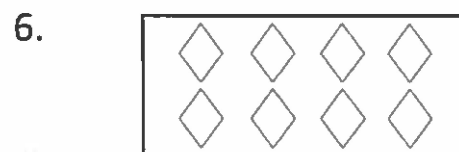
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

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



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

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



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

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

Multiplication

Multiply:

1. $8 \times 2 = \underline{\quad}$

2. $9 \times 0 = \underline{\quad}$

3. $8 \times 4 = \underline{\quad}$

4. $9 \times 6 = \underline{\quad}$

5. $8 \times 10 = \underline{\quad}$

6. $8 \times 8 = \underline{\quad}$

7. $8 \times 5 = \underline{\quad}$

8. $8 \times 1 = \underline{\quad}$

9. $9 \times 3 = \underline{\quad}$

10. $9 \times 1 = \underline{\quad}$

11. $9 \times 9 = \underline{\quad}$

12. $9 \times 10 = \underline{\quad}$

13. $9 \times 5 = \underline{\quad}$

14. $8 \times 6 = \underline{\quad}$

15. $9 \times 4 = \underline{\quad}$

16. $8 \times 9 = \underline{\quad}$

17. $9 \times 2 = \underline{\quad}$

18. $8 \times 0 = \underline{\quad}$

19. $8 \times 3 = \underline{\quad}$

20. $9 \times 7 = \underline{\quad}$

21. $8 \times 7 = \underline{\quad}$

22. $9 \times 8 = \underline{\quad}$

Write a multiplication sentence with a symbol for the unknown. Then solve:

23. There are six whales at Sea World. Each whale does 6 shows each week. How many whale shows are there each week?

24. Sally works 6 hours a day and earns \$7 per hour. Her friend John works 7 hours per day and earns \$6 per hour. If they both work Monday through Friday, who earns more money? Who works longer?

Multiplication

Multiply:

- | | | |
|--|--|--|
| 1. $11 \times 5 = \underline{\quad}$ | 2. $12 \times 0 = \underline{\quad}$ | 3. $11 \times 4 = \underline{\quad}$ |
| 4. $12 \times 5 = \underline{\quad}$ | 5. $12 \times 7 = \underline{\quad}$ | 6. $11 \times 9 = \underline{\quad}$ |
| 7. $11 \times 8 = \underline{\quad}$ | 8. $11 \times 1 = \underline{\quad}$ | 9. $12 \times 1 = \underline{\quad}$ |
| 10. $11 \times 12 = \underline{\quad}$ | 11. $12 \times 6 = \underline{\quad}$ | 12. $11 \times 7 = \underline{\quad}$ |
| 13. $11 \times 2 = \underline{\quad}$ | 14. $12 \times 10 = \underline{\quad}$ | 15. $12 \times 8 = \underline{\quad}$ |
| 16. $12 \times 4 = \underline{\quad}$ | 17. $11 \times 6 = \underline{\quad}$ | 18. $12 \times 2 = \underline{\quad}$ |
| 19. $11 \times 10 = \underline{\quad}$ | 20. $11 \times 0 = \underline{\quad}$ | 21. $12 \times 9 = \underline{\quad}$ |
| 22. $11 \times 3 = \underline{\quad}$ | 23. $12 \times 3 = \underline{\quad}$ | 24. $11 \times 11 = \underline{\quad}$ |
| 25. $12 \times 11 = \underline{\quad}$ | 26. $12 \times 12 = \underline{\quad}$ | |


Write a multiplication sentence with a symbol for the unknown. Then solve:

27. Social Studies books are in 5 piles. Each pile has 11 books. Are there enough books for 2 classes of 24 students?
-
28. Mrs. Smith took 12 boxes of apples to the farm stand to sell. Each box has 9 apples inside. How many apples did Mrs. Smith take to sell at the farm stand?
-

Division

Write a division sentence to match each model:

1.  $\underline{\quad} \div \underline{\quad} = \underline{\quad}$

2.  $\underline{\quad} \div \underline{\quad} = \underline{\quad}$

3.  $\underline{\quad} \div \underline{\quad} = \underline{\quad}$

Solve:

4. There are 8 boots by the front door. Each family member has 2 boots. How many family members have boots by the door? $\underline{\hspace{2cm}}$
 Draw a model. Write a division sentence.

5. Mrs. Flora placed an order for 9 pizzas. She wants an equal number of pepperoni, cheese and sausage pizzas. How many of each type of pizza will Mrs. Flora get? $\underline{\hspace{2cm}}$
 Draw a model. Write a division sentence.

Division

1. $20 \div 2 =$ _____
2. $30 \div 5 =$ _____
3. $4 \div 2 =$ _____
4. $5 \div 5 =$ _____
5. $2 \div 2 =$ _____
6. $21 \div 3 =$ _____
7. $35 \div 5 =$ _____
8. $12 \div 2 =$ _____
9. $6 \div 3 =$ _____
10. $6 \div 2 =$ _____
11. $3 \div 3 =$ _____
12. $16 \div 2 =$ _____
13. $27 \div 3 =$ _____
14. $10 \div 5 =$ _____
15. $28 \div 4 =$ _____
16. $8 \div 2 =$ _____
17. $12 \div 3 =$ _____
18. $50 \div 5 =$ _____
19. $40 \div 5 =$ _____
20. $18 \div 2 =$ _____
21. $24 \div 4 =$ _____
22. $9 \div 3 =$ _____
23. $32 \div 4 =$ _____
24. $24 \div 3 =$ _____
25. $14 \div 2 =$ _____
26. $45 \div 5 =$ _____
27. $4 \div 4 =$ _____
28. $18 \div 3 =$ _____
29. $60 \div 6 =$ _____
30. $10 \div 2 =$ _____
31. $25 \div 5 =$ _____
32. $15 \div 3 =$ _____
33. $42 \div 6 =$ _____
34. $36 \div 4 =$ _____
35. $8 \div 4 =$ _____
36. $20 \div 5 =$ _____
37. $15 \div 5 =$ _____
38. $30 \div 3 =$ _____
39. $54 \div 6 =$ _____
40. $20 \div 4 =$ _____
41. $16 \div 4 =$ _____
42. $36 \div 6 =$ _____
43. $12 \div 4 =$ _____
44. $48 \div 6 =$ _____
45. $40 \div 4 =$ _____
46. $18 \div 6 =$ _____
47. $30 \div 6 =$ _____
48. $24 \div 6 =$ _____
49. $6 \div 6 =$ _____
50. $12 \div 6 =$ _____

Division

1. Forty-eight students went on the field trip. The students were put into equal groups of eight. How many groups of students were there? _____
Write a division sentence:

2. Carly has 4 dogs. Each dog eats the same number of biscuits. Carly has a box of 48 biscuits. How many biscuits will each dog get? _____
Write a division sentence:

3. Marty and his friend went fishing at 12 different ponds in the woods. They caught 6 toads, 20 sunnies, 10 crayfish and 12 tadpoles. They caught the same amount of animals at each pond. How many animals did they catch at each pond? _____
Show all of your work:

4. Max works 4 hours each day. How many days will it take for Max to work 44 hours? _____
Write a division sentence:

Fractions

1. What fraction of the set of circles are shaded?

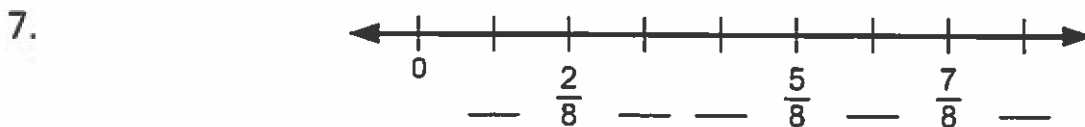
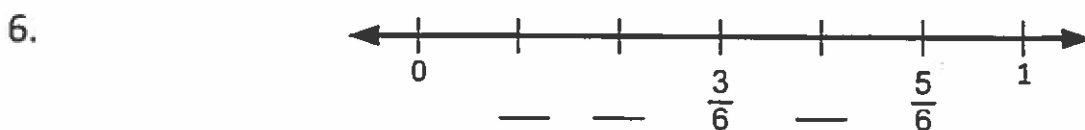


2. What fraction of the set of shapes are squares?



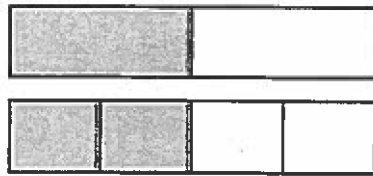
3. Jonah has 2 quarters, 2 dimes, 3 nickels and 1 penny. What fraction of Jonah's coins are nickels? _____

Label each number line:



Fractions

1.



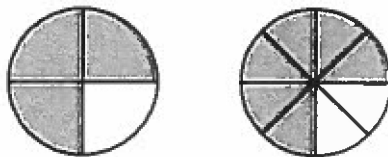
$$\frac{1}{2} = \frac{2}{4}$$

2.



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

3.



$$\frac{3}{4} = \frac{6}{8}$$

4. Karen made 6 dolls. 2 of the dolls had blue eyes, two had green eyes and 2 had brown eyes. Circle the equivalent fractions that represent the part of the dolls that had blue eyes:

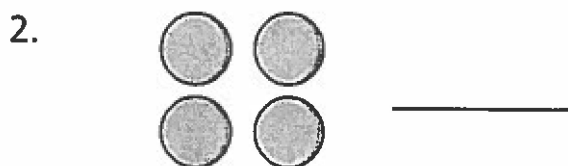
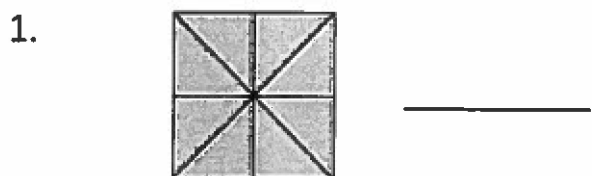
$$\frac{1}{2} \quad \frac{1}{3} \quad \frac{2}{4} \quad \frac{2}{6}$$

5. A tree had 8 blossoms. Two of the blossoms fell off. Circle the equivalent fractions that represent the number of blossoms that are still on the tree:

$$\frac{7}{8} \quad \frac{2}{8} \quad \frac{3}{4} \quad \frac{6}{8}$$

Fractions

Write a fraction to represent the shaded part of each whole or set of wholes:



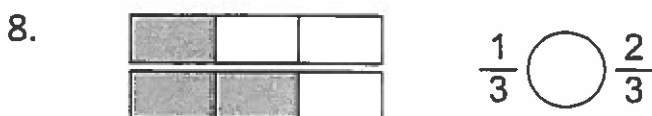
Write each whole number as a fraction:

5. $4 = \frac{\square}{\square}$

6. $3 = \frac{\square}{\square}$

7. $8 = \frac{\square}{\square}$

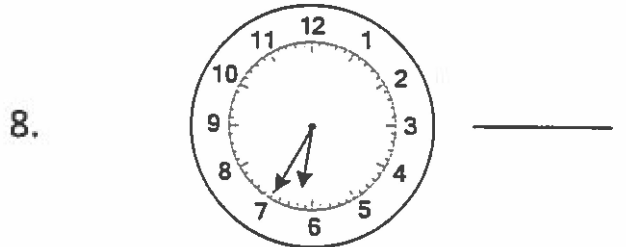
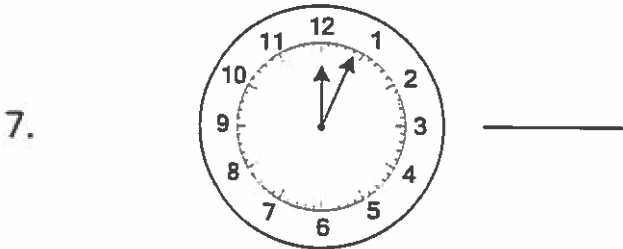
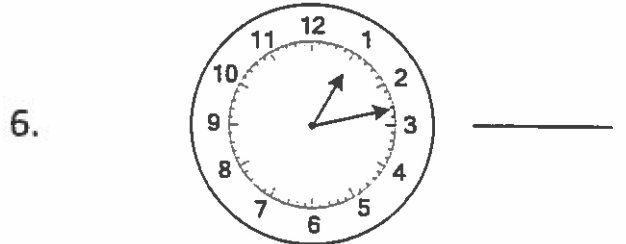
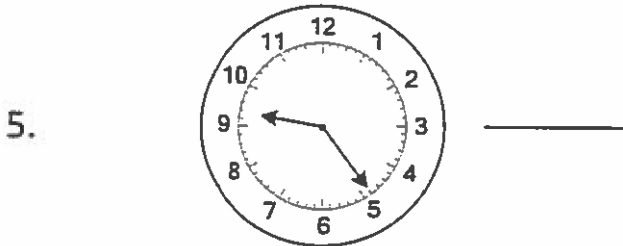
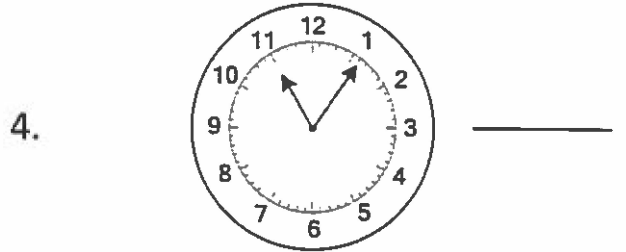
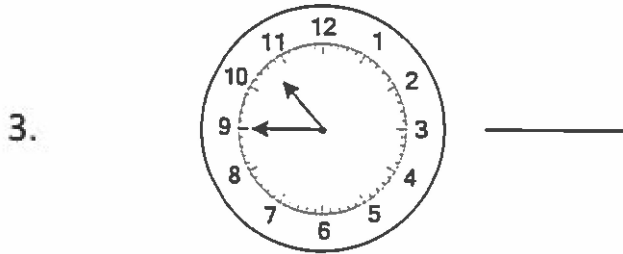
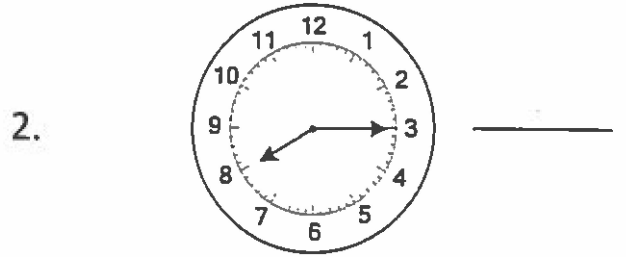
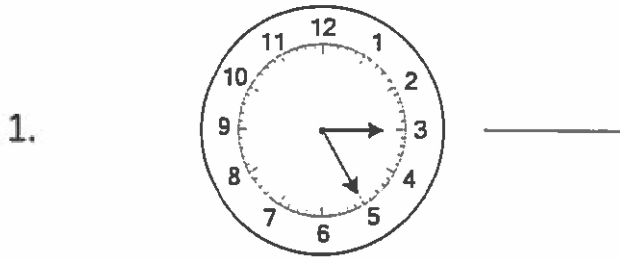
Compare using $<$, $>$, $=$



11. Mary read $\frac{1}{4}$ of a book. Sally read $\frac{1}{3}$ of the same book. Who read more?

12. Max colored $\frac{3}{6}$ of the stars on his paper. Henry colored $\frac{5}{6}$ of the stars. Who colored more stars?

Measurement



9. If the minute hand is pointing to the number 3, how many minutes past the hour is it? _____

10. If the hour hand is pointing to the 5 and the minute hand is pointing to the number 4, what time is it? _____

Geometry


1. Are all polygons quadrilaterals? Explain:

2. There are 4 picture frames on the table. One is a rhombus; one is a rectangle; two are squares. How many sides are there altogether? _____

Write each word from the word bank by its example:

angle	octagon	pentagon
hexagon	vertex	square
parallelogram	rhombus	quadrilateral
parallel	line	line segment

3. 

5. 

7. 

9. 

11. 

13. 

4. 

6. 

8. 

10. 

12. 

14. 
