4th grade summer fun packet

Welcome to 4th Grade at SMS!

I hope you have a fun and relaxing summer but don't forget to keep reading, writing and practicing your math! I can't wait to see you on the first day of school.

Summer Reading and Math Assignment

On the next few pages you will find directions to your summer math and reading work. Putting in a little time each day will make it fast, easy and fun! You will come to 4th grade feeling so good!

Summer Reading Guidelines

Summer Reading Guidelines: One of the best ways for students to return to school ready for success in the fourth grade is to keep reading over the summer. Children who read throughout these months maintain or increase their reading level, but those who do not can actually lose some of the progress they have made during the school year. Our students are encouraged to read at their "just-right" level. We encourage them to use the "five finger rule• where they try to read the first page. If they encounter more than five words with which they are unfamiliar, the book is beyond their independent level and they should try a different one. Those books might be great for an adult to read to them.

Reading Recommendations

Who Was __ ? Biography series, by various authors
Mr. Popper's Penguins, by Richard Atwater
James and the Giant Peach, by Roald Dahl
Because of Winn-Dixie, by Kate Dicamillo
The Chocolate Touch, by Patrick Skene Gatling
Stuart Little, by E.B. White
Black Stallion, by Walter Farley
Boxcar Children series (any book)
The Indian in the Cupboard, by Lynne Reid Banks Sideways Stories from Wayside School, by Louis Sachar
The Secret Garden, by Frances Hodgson Burnett
The Little House on the Prairie series (any book), by Laura Ingalls Wilder
The Mouse and the Motorcycle by Beverly Cleary Bunnicula: A Rabbit-Tale of Mystery by Deborah and James Howe
The One and Only Ivan by Katherine Applegate
Harriet the Spy by Louise Fitzhugh
The Great Brain series by John Fitzgerald
Poppy series by Avi

4th grade summer reading directions

Please read at least 2 books this summer. Then complete a "one-pager" for one of the books and a book review for the another. Bring all completed work into school on the first day.

Book Review Directions

A book review allows reflection and understanding of the events in a book in an organized.

Please use the provided template to answer questions about one of the books you read. Be sure to write clearly and neatly, use complete sentences, and answer all questions with strong detail and examples.

Read Read Read!

Summer is the perfect time to have a book with you everywhere you go, in the car, at the beach, in bed, at camp! Read at least 30 min every day.

One-Pager Directions

A "one-pager" promotes thoughtful appreciation and understanding of a novel. The more creative you allow yourself to be, the more you will get out of the reading assignment! One-pagers also provide a terrific review that can inspire others to read your book.

Directions: Use one of the templates provided, use colored pencils or crayons to make your work stand out and be creative!

On the font of the paper, please include the following:

Title and Author

Your name (first and last)

Setting (when and where the story took place)

5 words or phrases you would use to describe the book

One important quotation (a sentence or two from the book) be sure to use quotation marks and put the page number

At least 3 pictures that express the main ideas or aspects of the story

Make sure to have proper spelling and grammar

On the back of the paper, please include the following:

A one-paragraph summary of the book that includes details about the plot, setting, characters, problem and the endi

4th grade summer math directions

Please complete the attached math packet and multiplication facts page. Bring all work to school on the first day.

Math packet

Doing a little each day will help keep skills sharp and allow you to not feel overwhelmed at the end. This packet follows our new enVision math program and will help prepare you child for success this coming school year.

Be sure to show all your work.

Multiplication Facts

One of the most important and helpful skills you can work with your child is automaticity of their multiplication facts. Flash cards, songs, games, etc. Have fun with it and practice practice practice!

4th GRADE SUMMER READING BOOK REVIEW

NAME: _____ DATE: _____

OF PAGES: _____

TITLE: _____

AUTHOR: _____

COPYRIGHT: _____

ILLUSTRATOR (IF ANY): _____

TYPE OF BOOK: _____
(i.e., Historical Fiction, Realistic Fiction, Science Fiction, Mystery, Animal, Fantasy, etc.)

The Setting:

Time: _____

Place: _____

Your opinion of the book (be specific):

_____

_____

_____

_____

_____

The part I enjoyed the most:

_____

_____

_____

_____

_____

CONTINUED ON NEXT PAGE

Describe three (3) main characters with two (2) complete sentences per character:

Character #1 Name: _____

Character #2 Name: _____

Character #3 Name: _____

SUMMARY (One paragraph – five (5) to seven (7) complete sentences)

Parent Signature: _____

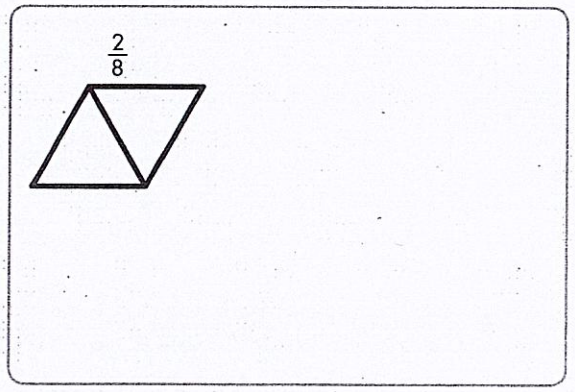
Name

Topics 1–16 Cumulative/ Benchmark Assessment

1. Drake needs to be at his job by 7:00 P.M. It takes him 30 minutes to ride his bike to the job, 60 minutes to make and eat dinner, and 50 minutes to do chores. What time does Drake need to start his chores?

   A 4:20 P.M.
   B 4:40 P.M.
   C 5:05 P.M.
   D 5:40 P.M.

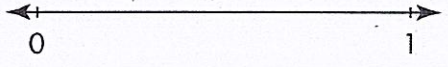
2. Draw a picture and write a fraction to represent the whole.



3. Which equation shows the Associative Property of Multiplication?

   A $3 \times 2 = (2 \times 2) + (1 \times 2)$
   B $(3 \times 2) \times 8 = 3 \times (2 \times 8)$
   C $3 \times 2 \times 1 = 3 \times 2$
   D $3 \times 2 \times 0 = 0$

4. Divide the number line into equal lengths and label the point $\frac{3}{5}$.



5. Find the difference for 861 – 384. Explain how to solve the problem.

6. **A.** Three friends equally share 1 hour of time on a computer at the library. What fraction of an hour will each friend use the computer?

   A $\frac{3}{1}$ **B** $\frac{2}{3}$
   C $\frac{3}{3}$ **D** $\frac{1}{3}$

   B. If two more friends join the group, what fraction of an hour will each friend have to use the computer?

   A $\frac{1}{5}$ **B** $\frac{2}{3}$
   C $\frac{1}{6}$ **D** $\frac{5}{1}$

7. Explain how to break apart 483 + 316 and solve.

8. Kelly is decorating her room with a mirror and 3 decals. If the mirror costs $12 and the decals are $7 each, how much will Kelly spend?

9. Which shapes always have two pairs of sides on lines that never cross? Select all that apply.

- ☐ Square
- ☐ Rectangle
- ☐ Trapezoid
- ☐ Parallelogram
- ☐ Rhombus

10. Find the sum of 60 and 150.

11. Jerra is making a rectangular garden 9 feet long and 6 feet wide.

A. What is the perimeter of Jerra's garden?

B. Jerra plans to put a fence around the garden with fence posts that are 3 feet apart. How many fence posts will she need? Draw a picture to help solve the problem.

12. Write an addition problem with two 3-digit numbers that requires regrouping. Then write an addition problem with two 3-digit numbers that does **NOT** require regrouping.

13. Jolene said that $\frac{1}{4}$ is greater than $\frac{1}{2}$ because 4 is greater than 2. Is she correct?

A Yes, she is correct. The correct comparison is $\frac{1}{4} \quad \frac{1}{2}$.

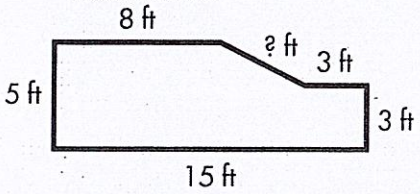
B No, a whole divided into 4 equal parts has smaller parts than if the whole were divided into 2 equal parts. The correct comparison is $\frac{1}{4} \quad \frac{1}{2}$.

C No, the denominators do not help you find which fraction is greater. The correct comparison is $\frac{1}{4} = \frac{1}{2}$.

D No, fractions that both have a numerator of 1 are always equal. The correct comparison is $\frac{1}{2} \quad \frac{1}{4}$.

14. Renee says that her insulated mug will hold 10 liters of hot chocolate. Is this reasonable? Explain.

15. A. Regina is building a fence around her garden as shown below. She used 40 feet of fencing. What is the length of the side Regina did not measure?

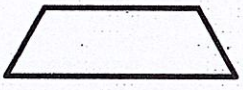


A 4 feet
B 5 feet
C 6 feet
D 7 feet

B. Regina's neighbor George also uses 40 feet of fencing for his rectangular garden. Which could be the dimensions of George's garden? Select all that apply.

- ☐ 8 feet by 5 feet
- ☐ 16 feet by 4 feet
- ☐ 8 feet by 9 feet
- ☐ 11 feet by 9 feet
- ☐ 10 feet by 10 feet

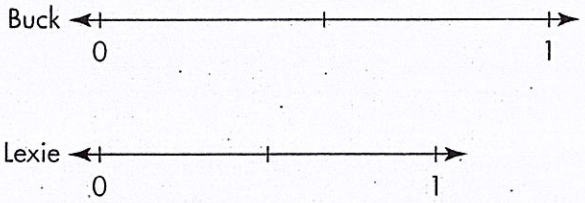
16. Select all of the terms that can describe the figure.



- ☐ Parallelogram
- ☐ Quadrilateral
- ☐ Polygon
- ☐ Rhombus
- ☐ Trapezoid

17. Maya plans to serve dinner at 6:00 P.M. It takes Maya 20 minutes to iron her clothes, 45 minutes to clean up the house, and 50 minutes to prepare dinner. If Maya wants to iron before cleaning and preparing dinner, what time should she start ironing her clothes? Use a number line to show your reasoning.

18. Lexie drew a number line showing $\frac{1}{2}$. Buck did the same.



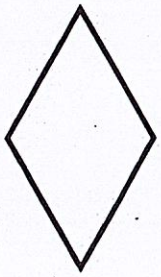
A. Which answer explains why their number lines look different?

- **A** Lexie's number line is longer.
- **B** Lexie's number line shows thirds.
- **C** The distance from 0 to 1 is different.
- **D** They are not different, both show $\frac{1}{2}$.

B. Lexie and Buck use number lines that have the same distance from 0 to 1. Lexie draws $\frac{5}{8}$ on her number line and Buck draws $\frac{3}{8}$ on his number line. Whose fraction is greater? Explain.

19. Chad and Amanda went shopping. They spent 33 minutes in the toy store and 47 minutes in the clothing store. How long did Chad and Amanda spend shopping?

20. This figure is a rhombus, but it is **NOT** a square. Why?



21. Write two fractions with a denominator of 6 that are closer to 0 than to 1. Explain your reasoning.

22. A sponge soaks up water. Leah says that the sponge can soak up 30 liters of water. Is her answer reasonable?

- **A** No. Leah probably meant $\frac{1}{3}$ liter instead of 30 liters.
- **B** No. Leah probably meant 3 liters instead of 30 liters.
- **C** No. Leah probably meant 3 grams instead of 30 liters.
- **D** Yes. Three liters is a reasonable amount of water in a sponge.

23. What are the dimensions of 4 rectangles that have a perimeter of 16 feet?

A. What is the area of each of the rectangles?

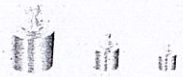
B. What generalization can you make from your answer?

24. A rectangle with a perimeter of 16 inches has the same area as a rectangle that has a perimeter of 14 inches.

A. What is the area of the two rectangles?

B. What are the dimensions of each rectangle?

25. Natasha bought some green grapes that weigh 47 grams. She also bought some purple grapes that weigh 61 grams. Using the weights shown, what are two combinations of weights that would balance the total weight of Natasha's grapes?



26. A. Carlos is making a square picture frame. The length of one side is 8 inches. What is the perimeter of the picture frame?

A 16 inches
B 32 inches
C 40 inches
D 64 inches

B. Carlos wants to make a rectangular picture frame with the same perimeter. What could be the dimensions of the rectangular picture frame?

27. A quadrilateral with 1 pair of sides of equal length and only 1 right angle is **NOT** a rhombus. Why?

A A rhombus cannot have right angles.

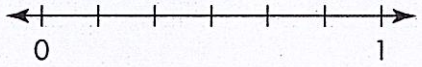
B A rhombus must have 4 right angles.

C All 4 sides of a rhombus are the same length.

D A rhombus cannot have sides of equal length.

28. Sue ran $\frac{2}{6}$ mile on Monday and $\frac{3}{6}$ Mile on Tuesday.

A. Which day did she run farther? Use the number line to help solve.



A Monday

B Tuesday

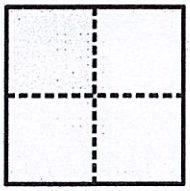
C She ran the same distance both days.

D Not enough information given

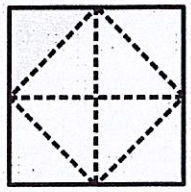
B. On Wednesday, Sue ran $\frac{3}{8}$ mile. She says the distance she ran on Wednesday is the same as the distance she ran on Tuesday. Is she correct? Explain.

29. [ ]est describes the relationship between the shaded area of each fabric?

Fabric 1



Fabric 2



A $\frac{1}{4} > \frac{1}{8}$

B $\frac{1}{4} = \frac{1}{8}$

C $\frac{1}{4} < \frac{1}{8}$

D Not enough information given

B. Suppose 1 more small square is shaded in Fabric 1. Which fraction describes the total amount of Fabric 2 that must be shaded for the two fabrics to show the same amount shaded?

30. A. [ ]

How long did the swim meet last?

A 4 hours 15 minutes

B 5 hours 45 minutes

C 6 hours

D 6 hours 15 minutes

B. There is a 45-minute lunch break during the swim meet. How long does the meet last not including the lunch break?

[ ]

[ ]

Multiplication facts practice 2-12

Multiplication Facts Worksheet

9 × 4 =	7 × 8 =	12 × 3 =
6 × 12 =	11 × 7 =	2 × 11 =
3 × 8 =	8 × 11 =	9 × 5 =
8 × 10 =	4 × 4 =	11 × 8 =
10 × 2 =	11 × 11 =	9 × 11 =
5 × 3 =	4 × 6 =	8 × 3 =
7 × 6 =	3 × 4 =	7 × 12 =
10 × 6 =	6 × 10 =	4 × 11 =
11 × 5 =	9 × 7 =	5 × 11 =
10 × 12 =	4 × 7 =	7 × 5 =
11 × 3 =	8 × 12 =	6 × 4 =
3 × 6 =	6 × 9 =	4 × 9 =
3 × 11 =	12 × 12 =	7 × 10 =
3 × 10 =	10 × 11 =	12 × 10 =
5 × 6 =	12 × 5 =	9 × 10 =
5 × 8 =	9 × 9 =	3 × 9 =

Multiplication facts practice 2-12

Multiplication Facts Worksheet

12 × 2 =	7 × 10 =	11 × 6 =
4 × 6 =	9 × 9 =	2 × 2 =
4 × 5 =	7 × 6 =	2 × 11 =
9 × 4 =	6 × 10 =	8 × 5 =
10 × 8 =	4 × 12 =	6 × 12 =
11 × 3 =	3 × 10 =	9 × 8 =
5 × 9 =	3 × 11 =	7 × 3 =
2 × 4 =	7 × 4 =	11 × 5 =
4 × 4 =	10 × 6 =	9 × 2 =
5 × 5 =	5 × 4 =	4 × 2 =
7 × 11 =	11 × 2 =	5 × 8 =
11 × 9 =	10 × 11 =	12 × 10 =
9 × 11 =	6 × 8 =	10 × 10 =
12 × 6 =	3 × 3 =	8 × 7 =
5 × 11 =	12 × 8 =	5 × 3 =
5 × 12 =	5 × 7 =	8 × 6 =