TRUE NORTH
CLASSICAL ACADEMY

Incoming Fifth

Summer Learning

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Timeless Principles: Remarkable Achievement

June 6, 2024

Summer Learning Plan

Dear Parents:

It is difficult to believe that summer is here! While we believe that the summer months should be an opportunity for leisure and quality time spent with family, we also believe that a healthy engagement of the mind is necessary to keep the learning of the past year fresh and to help create a bridge for the new learning to come. With that said, we have asked teachers for help in creating the following summer learning plan. The reading plan will include reading one novel and to answer comprehension questions; the math plan will include a math packet and other activities based on your grade level. *Please note that completion of summer work is mandatory. However, also, please note that the summer work is a minimum to be attained; it does not prohibit you from having your child read more books and complete more math.*

Incoming Fifth-Grade

Reading

Mrs. Frisby and the Rats of Nimh by Robert C. O'Brian
Assignment: Answer the attached comprehension questions.

Math

Math Packet Attached

All the above-mentioned books can be purchased on **Amazon** at a very reasonable price. The hope is that your child will enjoy the required book and read much more as well (if possible).

Research has shown that regression of learning during the summer months can, sometimes, account for one-third of learning gains achieved during the school year. Have your child read aloud to you, ask questions as they read, and read to them to model good fluency. Your child should be prepared to discuss the book upon return to school.

Upon returning to school, the summer book will be discussed and the assignment must be turned in. Students will **receive a grade** for the completion of the summer reading and math assignment.

Let me know if you have any questions. Enjoy your

summer!!

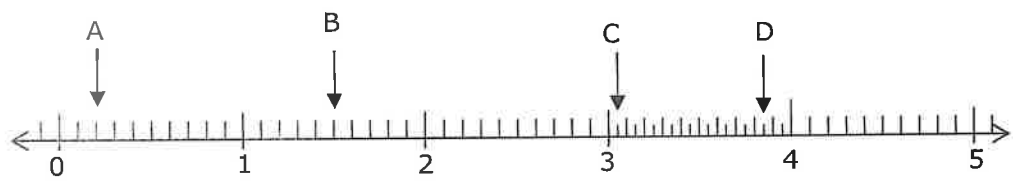Warm regards,

True North Administration

<u>5th Grade Summer Reading Questions</u>
Mrs. Frisby and the Rats of Nimh

Directions: On a separate sheet of lined paper, neatly answer the questions below in complete sentences. You will be graded on neatness and quality of the answers.

1. An exciting story relies on a crisis to make things more interesting for the reader. What crisis is described in the first chapter?

2. What did Mrs. Frisby assume happened to the animal(s) who stored the food that she found?

3. For each of Mrs. Frisby's children, write one thing which would describe him/her.
   Teresa:
   Martin:
   Cynthia:
   Timothy:

4. Why was it dangerous for Mrs. Frisby to venture too close to the farmhouse and barn?

5. Why does Mrs. Frisby go to see Mr. Ages? What did he advise her?

6. What traumatic event seemed to be the beginning of Timothy's health problems?

7. Although Mr. Ages tells Mrs. Frisby that the medicine will help Timothy recover, what stern warning does he also offer? For how long will this be in effect?

8. Foreshadowing is a literary device where the author provides a hint as to what happen later in the story. How might the warning of Mr. Ages be an example of this?

9. Why was it courageous for Mrs. Frisby to help Jeremy?

10. What unusual things did Mrs. Frisby see in the rats' hideaway?

11. What was Isabella's first impression of Mrs. Frisby?

12. Why was Nicodemus reluctant to allow Mrs. Frisby to help the rats with their plan?

13. In chapter 21, who is talking here? "But what I like best was history. I read about the ancient Egyptians, the Greeks and Romans and the Dark Ages when the old civilizations fell apart. The only people who could read and write were the Monks." Why were the Monks so fascinating to him?

5

1. Write the whole or decimal number that each letter represents. [4]

A: _____   B: _____   C: _____   D: _____

2. Express each of the following as a decimal number.

(a) $\dfrac{16}{10}$ 　　　　　　　　(b) $4 + \dfrac{8}{100}$ [2]

(c) $5 + \dfrac{6}{10} + \dfrac{4}{1,000}$ 　　　(d) $\dfrac{104}{1,000}$ [2]

(e) $3\dfrac{3}{4}$ 　　　　　　　　(f) $\dfrac{4}{25}$ [2]

3. Arrange in increasing order.

(a) 4.04　　0.4　　4.4　　0.004 [2]

(b) $\dfrac{5}{8}$　　0.602　　$\dfrac{3}{5}$　　0.66 [2]

4. Express each decimal number as a fraction or mixed number in its simplest form.

(a) 0.6　　　　　　　　(b) 4.12　　　　　　　　[2]

(c) 0.408　　　　　　　(d) 6.002　　　　　　　[2]

5. Solve.

(a) 26.45 + 29.73　　　(b) 4.83 + 0.6　　　　[2]

(c) 2.3 − 0.37　　　　　(d) 40 − 0.08　　　　[2]

(e) 23.73 x 7　　　　　(f) 4 x 49.08　　　　[4]

6. Give the answer correct to 1 decimal place.

   (a) $42.3 \div 3$ (b) $68 \div 7$ [4]

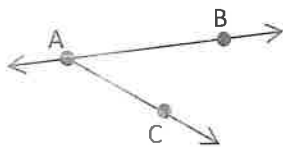   (c) $68.31 \div 8$ (d) $174.5 \div 6$ [4]

   (e) $45 \div 4$ (f) $230 \div 7$ [4]

7. Jasmine saved $31.85. Her brother saved $19.65 less than she did. How much money did both of them save?   [3]

8. A painter mixed 12.5 quarts of white paint with 16.7 quarts of green paint. He poured the mixture equally into 4 cans. He used one can to paint a wall. How many quarts of paint does he have left?   [3]

9. 0.3 of all the apples a grocer had were sold. If he had 49 apples left, how many apples did he have at first? [3]

10. Name one of the following geometric constructions in the drawing, using only the labeled points. [4]
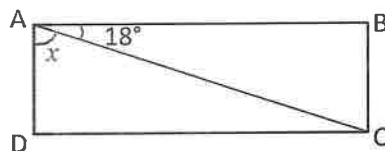

Angle: _____

Ray: _____

Line: _____

Line segment: _____

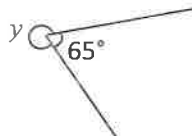11. A $\frac{3}{4}$ turn is _____ right angles and is _____ degrees. [2]

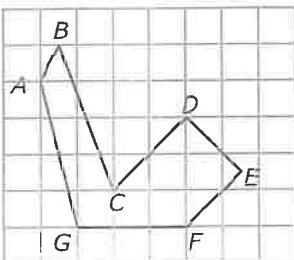12. Find the measure of the marked unknown angle.

(a) ABCD is a rectangle [2]

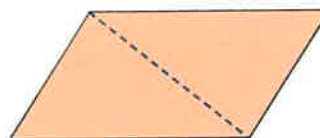
$m\angle x =$ _____

(b) [2]

$m\angle y =$ _____

13.

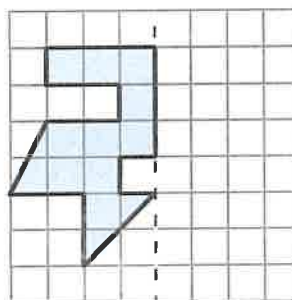
(a) Name a pair of parallel lines. [1]

(b) Name a pair of perpendicular lines. [1]

14. The figure at the right is a parallelogram. Is the dashed line a line of symmetry? [1]

15. Complete the symmetric figure with the dotted line as the line of symmetry. [2]

16. Which of the following shapes must also always be a parallelogram? Circle them. [2]

Square   Quadrilateral

Trapezoid   Rhombus

Rectangle   Polygon
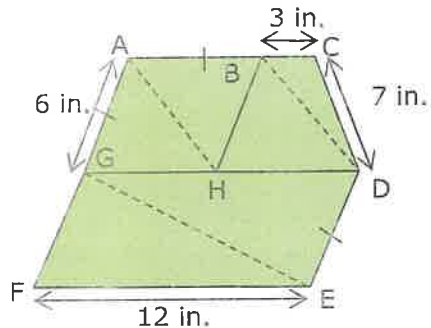
17. Which of the following types of triangles have line symmetry? [1]

Scalene   Isosceles   Equilateral

18. This figure ACDEF is a pentagon and is made up of the three quadrilaterals, ABHG, BCDH, and GDEF. One is a trapezoid but not a parallelogram, and two are parallelograms. GA = AB = DE = 6 in., BC = 3 in., CD = 7 in., EF = 12 in.

(a) Quadrilateral GDEF has _____ right angles, _____ obtuse angles, and _____ acute angles. [2]

(b) Which quadrilateral is a trapezoid but not a parallelogram? [1]

_____

(c) Which quadrilateral is a rhombus? _____. [1]

(d) Lines are drawn from A to H, from G to E, and from B to D, forming triangles. If GE = 14 in, what is the perimeter of triangle GFE? [2]

_____ in.

(e) Which of the triangles are: [2]

Scalene: _____

Isosceles: _____

Equilateral: _____

Have one obtuse angle: _____

(f) The perimeter of the figure ACDEF is _____ in. [2]

6

19. A rectangular swimming pool measures 24 m by 16 m.
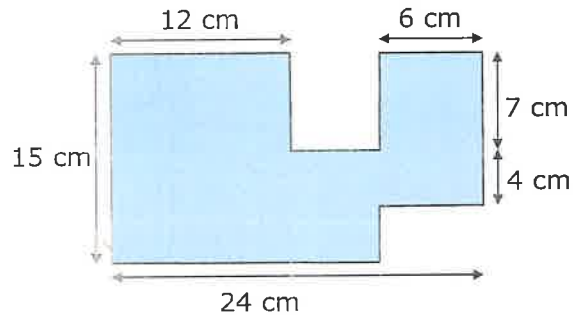
    (a)   Find the area of the pool.   [2]

    (b)   A concrete path 2 m wide is paved around   [3]
                the swimming pool. What is the area of the
                path?

20. In the figure, all lines meet at right angles.

         12 cm   6 cm

15 cm   7 cm

                            4 cm

         24 cm

    (a)   Find the area of the figure. _____   [3]
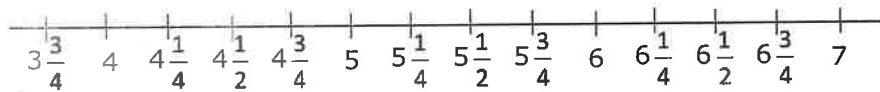
    (b)   Find the perimeter. _____   [3]

21. Valerie recorded the weights of some mature dogs of a certain small breed that were brought to the veterinarian clinic to the nearest quarter of a pound.

Weight in pounds

$5\frac{1}{4}$	$5\frac{3}{4}$	$3\frac{3}{4}$	$6\frac{1}{4}$	$4\frac{3}{4}$	5	$4\frac{3}{4}$	$5\frac{1}{2}$	$5\frac{1}{2}$	5
$4\frac{1}{4}$	$5\frac{3}{4}$	$6\frac{1}{4}$	$4\frac{1}{2}$	$5\frac{1}{2}$	6	$5\frac{3}{4}$	$4\frac{3}{4}$	$5\frac{1}{2}$	$5\frac{3}{4}$
$5\frac{1}{4}$	$6\frac{1}{2}$	$5\frac{3}{4}$	$6\frac{1}{2}$	6	$4\frac{3}{4}$	$6\frac{1}{4}$	5	$5\frac{3}{4}$	6

(a) Create a line plot from the data. [3]
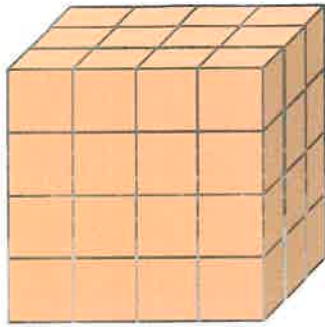

(b) What is the most common weight? [1]

(c) What is the difference between the heaviest and lightest weight recorded? [2]

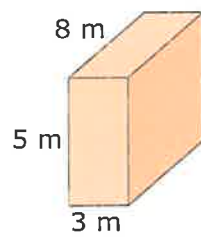(d) What fraction of the dogs weighed $6\frac{1}{4}$ lb? [2]
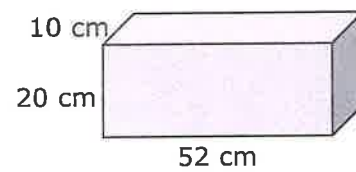
22.

What is the volume of this solid?   [2]

_____ cubic units

23. Find the volume of each rectangular prism.

(a)   (b)   [4]

8 m

5 m

3 m

10 cm

20 cm

52 cm