TRUE NORTH
CLASSICAL ACADEMY

Incoming Sixth Grade

Summer Learning

TRUE NORTH
CLASSICAL ACADEMY

Timeless Principles: Remarkable Achievement

June 5, 2025

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. Students will have accessibility to IXL until July 30th. We encourage scholars to continue working on lessons throughout the summer.***

Incoming Sixth-Grade

Reading

Tales of the Greek Heros by Roger Lancelyn Green
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

6th Grade Summer Reading Questions

Tales of the Greek Heroes by Roger Lancelyn Green

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. Who was famous for his feats of strength?
2. Who had 200 heads and was as tall as the clouds?
3. Who could turn men into stone?
4. Who was the goddess of love and beauty?
5. Who was the god of the sun?
6. Who was Persephone?
7. Who were the Cyclopes?
8. Who were the Nymphs?
9. Who had the upper body of a human and lower body of a horse?
10. What does it mean to be mortal? List three characters who were mortal.
11. What does it mean to be immortal? List three characters who were mortal.
12. What is Mount Olympus?
13. Why do you think the Greek Myths and legends were told first? Explain.

Choose any **four** of the Greek Heroes and summarize for each of the following:

A. What is the god/goddess known for?

B. Describe an important event that took place.

C. What was the climax of their adventure?

Name: _____ Date: _____

End-of-Year Review

Test Prep

Multiple Choice

Shade the circle next to the correct answer.

1. In 130.426, the digit 2 is in the _____ place. *(Lesson 8.1)*

(A) tens
(B) tenths
(C) hundredths
(D) thousandths

2. Use front-end estimation with adjustment to estimate 6,189 − 3,674. *(Lesson 1.4)*

(A) 1,000
(B) 2,000
(C) 3,000
(D) 4,000

3. Simplify $48 \div 8 + 13 \times 3$. *(Lesson 2.6)*

(A) 45
(B) 54
(C) 57
(D) 75

4. Express $10\frac{1}{4} - 4\frac{1}{2}$ as a decimal. *(Lesson 3.3)*

(A) 6.25
(B) 5.75
(C) 5.43
(D) 5.34

5. Express 9.062 as a mixed number in simplest form. *(Lesson 8.3)*

(A) $9\frac{62}{100}$
(B) $9\frac{31}{50}$
(C) $9\frac{62}{1000}$
(D) $9\frac{31}{500}$

6. What is the product of 96 and 13? *(Lesson 2.3)*

(A) 900
(B) 960
(C) 1,170
(D) 1,248

Leaving 5th grade

7. Divide 84 by 400. *(Lesson 9.4)*

(A) 0.21
(B) 0.84
(C) 2.1
(D) 8.4

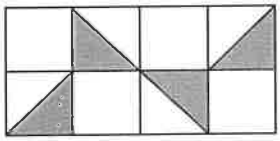
8. Simplify $16p + 5 - 3p - 2$. *(Lesson 5.2)*

(A) $19p + 7$
(B) $19p - 3$
(C) $13p + 3$
(D) $13p - 3$

9. For what value of y will the inequality $4y - 8 > 10$ be true? *(Lesson 5.3)*

(A) 2
(B) 3
(C) 4
(D) 5

10. What percent of the figure is shaded? *(Lesson 10.1)*



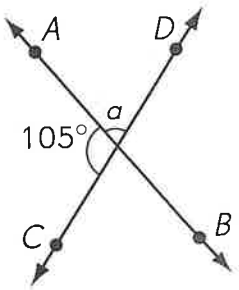
(A) 25%
(B) 35%
(C) 40%
(D) 50%

11. The price of a cell phone is \$500. Kathleen pays 8% sales tax on the price of the cell phone. How much sales tax does she pay? *(Lesson 10.4)*

(A) \$400
(B) \$50
(C) \$40
(D) \$8

12. $\overleftrightarrow{AB}$ and $\overleftrightarrow{CD}$ are lines. Find the measure of $\angle a$. *(Lesson 12.1)*

(A) 180°
(B) 105°
(C) 75°
(D) 57°



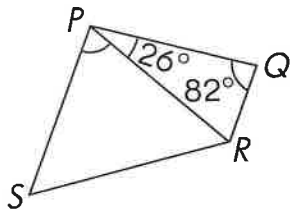
Name: _____ Date: _____

13. The sides of triangle ABC are in whole inches. $AB = 5$ inches and $BC = 11$ inches. Which of these is a possible length for $\overline{AC}$? *(Lesson 13.4)*

(A) 3 inches
(B) 6 inches
(C) 12 inches
(D) 16 inches

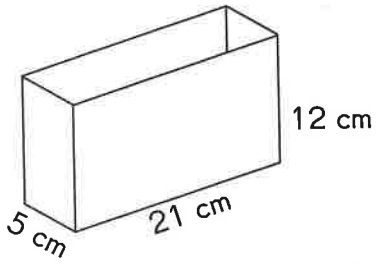
14. In the trapezoid $PQRS$, $\overline{PS} \parallel \overline{QR}$. Find the measure of $\angle SPR$. *(Lesson 13.5)*

(A) 98°
(B) 72°
(C) 52°
(D) 26°

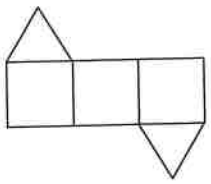


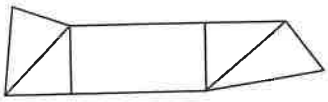
15. How many 1-centimeter cubes can be put into the box? *(Lesson 15.5)*

(A) 38
(B) 1,200
(C) 1,260
(D) 1,620



16. Which of these nets can form a triangular pyramid? *(Lesson 14.1)*

(A)


(B)


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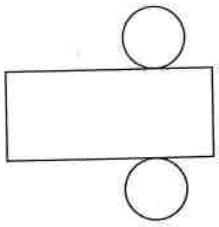
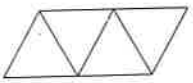


(D)


Short Answer

Read the questions carefully. Write your answers in the spaces provided. Show your work.

17. The ratio of the volume of water in bucket A to the volume of water in bucket B is 3 : 5. The total volume of water in the two buckets is 56 liters. What is the volume of water in bucket B? *(Lesson 7.3)*

_____

18. Write 12 ones and 3 tenths 2 hundredths 5 thousandths in expanded form. *(Lesson 8.1)*

_____

19. What is the missing number in the equation? *(Lesson 9.4)*

$9.42 = 9{,}420 \div \square$

_____

20. Order the decimals from least to greatest. *(Lesson 8.2)*
11.05, 11.00, 11.10, 11.009

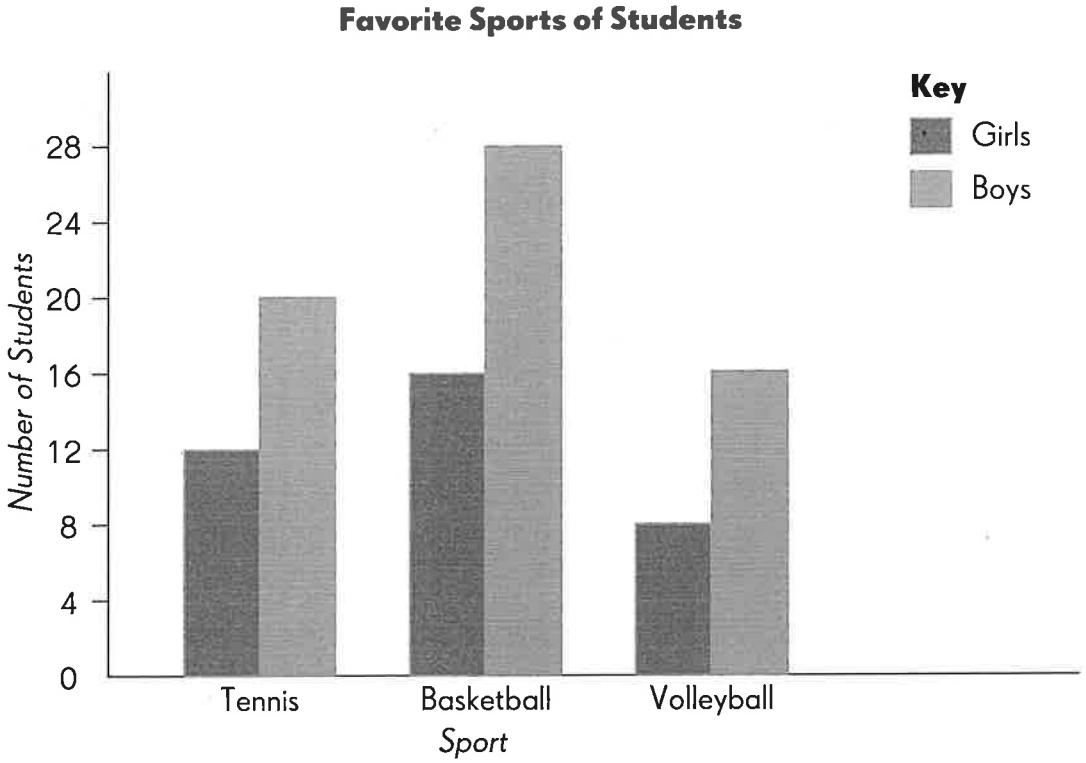
_____

21. $\frac{3}{8}$ of the regular price of a digital watch is \$21. The price of the digital watch after discount is \$21. Find the dollar amount of the discount. *(Lesson 10.4)*

_____

Name: _____ Date: _____

Use the data in the bar graph to answer questions 22 and 23.



22. For which sport is the difference between the number of boys and girls the greatest? *(Lesson 11.1)*

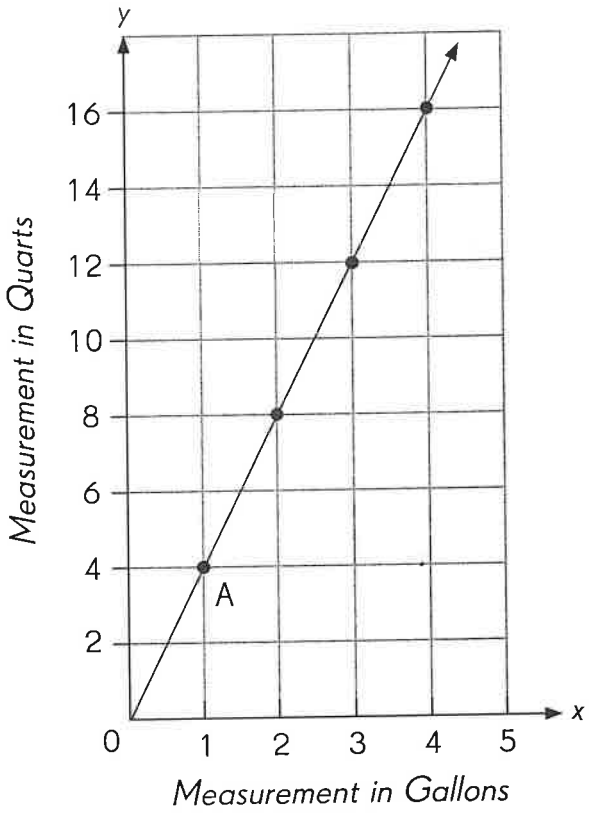
_____

23. How many more boys than girls prefer tennis? *(Lesson 11.1)*

_____

Use the data in the graph to answer questions 24 and 25.

Conversion Between Gallons and Quarts



24. Mrs. Richards buys 8 quarts of milk in 4 days. How many gallons of milk does she buy? *(Lesson 11.2)*

_____

25. What is the equation of the graph? *(Lesson 11.2)*

_____

26. Mrs. Mani has 1 orange, 1 apple, 1 peach and 1 apricot. She has 3 different flavored yogurt bars. She packs one fruit and one yogurt bar into a lunch box. Find the number of combinations she can pack in one box. *(Lesson 11.3)*

_____

Name: _____ Date: _____

27. A box contains 6 red pens, 4 blue pens, 8 green pens, and some black pens. Leslie picks a pen and returns it to the box each time. The outcomes are recorded in the table.

Number of Times a Red Pen is Picked	Number of Times a Blue Pen is Picked	Number of Times a Green Pen is Picked	Number of Times a Black Pen is Picked
8	5	14	3

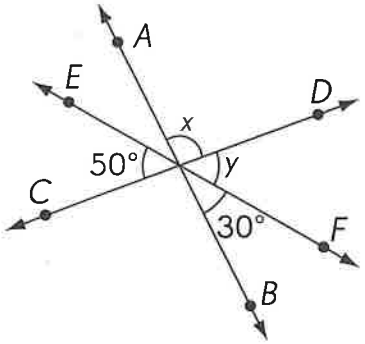
a. What is the experimental probability of drawing a green pen? *(Lesson 11.4)*

_____

b. If the theoretical probability of drawing a black pen is $\frac{1}{10}$, how many black pens are in the box? *(Lesson 11.4)*

_____

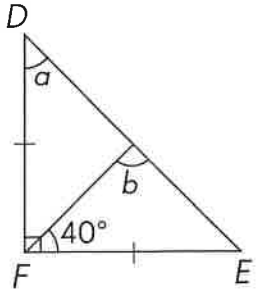
28. $\overleftrightarrow{AB}$, $\overleftrightarrow{CD}$ and $\overleftrightarrow{EF}$ are lines. Find the measures of $\angle x$ and $\angle y$. *(Lessons 12.1 and 12.3)*



$m\angle x =$ _____

$m\angle y =$ _____

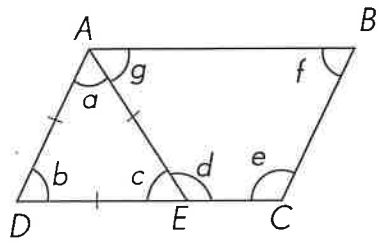
29. In triangle DEF, $DF = EF$. Find the measures of $\angle a$ and $\angle b$. *(Lessons 13.2 and 13.3)*



$m\angle a =$ _____

$m\angle b =$ _____

30. *ABCD* is a parallelogram and *ADE* is an equilateral triangle. Identify all the angles that have the same measure as $\angle f$. *(Lessons 13.3 and 13.5)*



_____

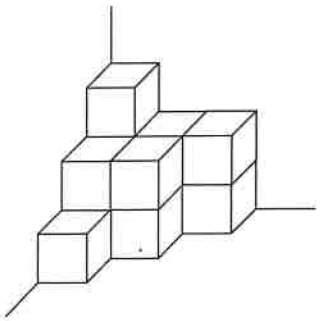
31. Brian has \$50. He buys 10 similar books and has x dollars left. What is the cost of each book? *(Lesson 5.4)*

_____

32. A solid figure has 2 flat surfaces, 1 curved surface, no edges and no vertices. Name this solid figure. *(Lesson 14.2)*

_____

33. How many unit cubes are used to build the solid? *(Lesson 15.1)*



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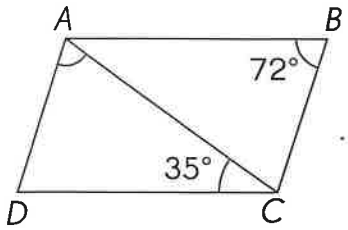
Name: _____ Date: _____

34. $ABCD$ is a parallelogram. Find the measure of $\angle DAC$. *(Lesson 13.5)*



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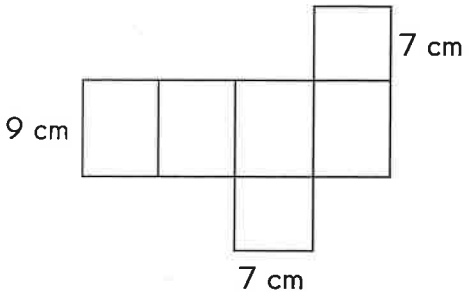
35. The net of a square prism is as given. Use the net to find the surface area of the prism. *(Lesson 15.3)*

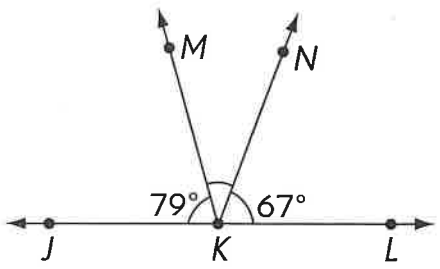


_____

36. Express $3\frac{1}{5} + 2\frac{1}{20}$ as a decimal. *(Lesson 3.5)*

_____

37. $\overleftrightarrow{JL}$ is a line. Find the measure of $\angle MKN$. *(Lesson 12.1)*



_____

Extended Response

Solve. Show your work.

38. There are 450 seats in a theater. 48% of the seats are occupied. How many seats are not occupied?

39. The area of a plot of land is 2,496 square meters. A small part of the land is fenced. The ratio of the total area of the plot of land to the area that is not fenced is 48 : 31. What is the area of the land that is not fenced?

Name: _____ Date: _____

40. Harry buys a sofa set that costs $2,000. He pays for it with 12 monthly installments. He also pays 5% interest. What is the total amount he has to pay?

41. Mrs. Jacobs buys 20 kilograms of rice at $0.84 per kilogram. She buys 700 grams of shrimp at $1.02 per 100 grams. How much does she spend in total?

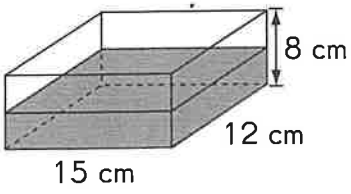
42. A fish tank measures 40 centimeters by 25 centimeters by 24 centimeters. It is filled with water from a tap. The fish tank is $\frac{5}{8}$ full in 6 minutes. Find the volume of water that flows from the tap each minute.

43. Mrs. Jackson has \$90. She spends $\frac{1}{4}$ of her money on food, $\frac{1}{2}$ of the remainder on clothes and saves the rest. How much does she save?

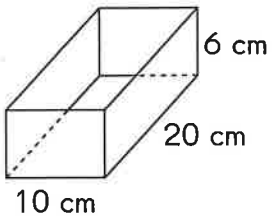
Name: _____ Date: _____

44. Team A has 42 members. Team B has 18 more members than team A. What percent of the members from team B must be transferred to team A so that team A has as many members as team B?

45. An equal amount of water is poured into two empty tanks, *P* and *Q*. Tank *P* is then $\frac{1}{2}$-filled. What fraction of tank *Q* is filled with water?



P



Q

46. There is some water in a tank. Water is then poured into the tank until the volume of water is 8 times as much as the initial volume of water in the tank. When another 16.75 liters of water is added, the total volume of water in the tank becomes 20.35 liters. How much water is in the tank at first? Give your answer in liters.