

OUTGOING 4th/INCOMING 5th -- SUMMER MATH ASSIGNMENT

June 2026

Dear Parents and Guardians,

This summer, students are expected to complete the **End-of-Year Test** as their Summer Math Assignment.

Purpose of the Assignment

- Review and reinforce the math skills learned this year.
- Prevent summer learning loss. Studies show that students who do no academic work over the summer can lose up to 40% of their academic gains from the school year.
- Prepare students for the expectations of next year's math course.
- Identify areas that may need additional practice.

How to Complete the Assignment

- Work independently and show all steps in solving problems.
- Take time to carefully solve and check each problem.
- Focus on understanding the process, not just finding the answer.
- Complete the assessment over multiple sessions rather than all at once.

Resources for Support

If a problem is difficult, students should refer to:

- Class notes and study guides.
- Online resources such as Khan Academy or IXL.

When to Complete the Assignment

- Complete the assessment during the summer.
- Have it ready to submit on the first day of school.

Math Fact Fluency

- Students are expected to have mastered the basic math facts taught in previous grades, including addition, subtraction, multiplication, and division. Fluency with these facts is essential for success in higher-level mathematics. Families are encouraged to review math facts regularly throughout the summer to help students maintain these important skills.

Thank you for supporting your child's continued mathematical growth. Consistent practice over the summer will help ensure a strong start to the new school year.

Sincerely,

The Math Department

Holy Spirit School

Name _____

Date _____

Give the best answer for each question.

1. What is the standard form for the number?

two hundred four thousand,
six hundred thirty-five

- ☐ 246,035
☐ 240,635
☐ 204,635
☐ 24,635

2. A teacher wants to buy 6 new computer tablets. The tablets cost \$283 each. Which is the best estimate for the total cost of the tablets?

- ☐ \$1,200
☐ \$1,800
☐ \$2,000
☐ \$2,800

3. Find the difference $\frac{7}{8} - \frac{5}{8}$.

4. Divide.

$$3 \overline{)3,544}$$

5. If you find 73×19 by breaking apart the factors into tens and ones, what are the four partial products?

- ☐ 700, 630, 300, 27
☐ 70, 63, 30, 27
☐ 70, 630, 300, 27
☐ 700, 630, 30, 27

6. Which numbers are factors of 72? Select all that apply.

- ☐ 3
☐ 8
☐ 16
☐ 72
☐ 144

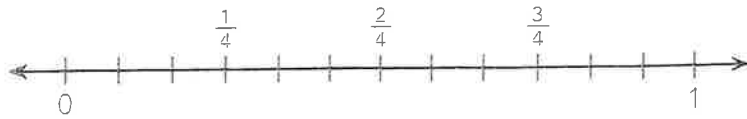
7. Rename the measure.

$$50 \text{ lb} = \text{_____ oz}$$

8. Estimate the quotient.

$$5 \overline{)794}$$

9. Use the number line to find the equivalent fraction.



$$\frac{1}{4} = \frac{\quad}{12}$$

10. Which of these sums are equal to $\frac{9}{10}$?

Select all that apply.

☐ $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

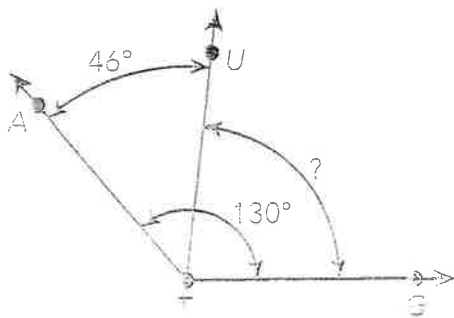
☐ $\frac{4}{5} + \frac{5}{5}$

☐ $\frac{2}{10} + \frac{4}{10} + \frac{2}{10}$

☐ $\frac{3}{10} + \frac{3}{10} + \frac{3}{10}$

☐ $\frac{1}{10} + \frac{1}{10} + \frac{7}{10}$

11. Find the measure of $\angle UTG$.



- 12.** Match the polygon with its number of sides and angles.

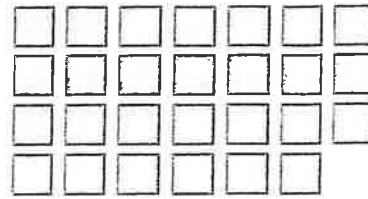
triangle	8
quadrilateral	6
pentagon	5
octagon	4
hexagon	3

- 13.** Haley reads for $\frac{1}{2}$ hour each day, 5 days per week.
Abigail reads for $\frac{3}{4}$ hour each day, 4 days per week.
Who spends more time reading during the week?
Justify your answer.

- 14.** Kyle wants to fence his garden with fencing that costs \$3 per foot. His garden is rectangular and has an area of 216 square feet. Its length is 18 feet. How much will it cost Kyle to fence his garden? Justify your answer.

15. Leah has 397 purple beads and 248 yellow beads. She plans to buy blue beads to have a total of 800 beads. How many blue beads does Leah plan to buy? Show your work.
16. A farmer plants 626 cucumber seeds in 6 equal rows. She plants the same number of seeds in each row, using as many seeds as possible. Does the farmer have any cucumber seeds left over? Explain your reasoning.
17. Jack reads 175 pages in a week. He reads the same number of pages each day. How many pages does Jack read in 3 days? Show your work.
18. Mark lives 8 km away from his school. He has walked 2,400 m from his school toward his home. How many more meters does Mark need to walk to his home? Show your work.

19. Erin has the set of tiles shown. Make a drawing to show how she can arrange them as an array with 9 as a factor. Then write a division equation for the array.



20. **Part A**

Estimate the sum by rounding the numbers to the nearest hundred.

$$61,992 \rightarrow \underline{\hspace{2cm}}$$

$$137,495 \rightarrow \underline{\hspace{2cm}}$$

$$+ 24,663 \rightarrow + \underline{\hspace{2cm}}$$

about

Part B

Find the actual sum.

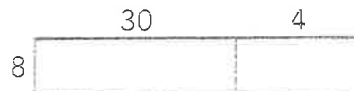
$$61,992$$

$$137,495$$

$$+ 24,663$$

21. **Part A**

Complete the area model for 8×34 .



Part B

What is the product of 8×34 ?

22. Part A

Estimate the difference by rounding the numbers to the nearest hundred.

$$\begin{array}{r} 24,817 \\ - 1,549 \\ \hline \end{array}$$

about _____

Part B

Find the actual difference.

$$\begin{array}{r} 24,817 \\ - 1,549 \\ \hline \end{array}$$

23. Part A

Model the sum $\frac{3}{8} + \frac{2}{8}$.

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Part B

Find the sum.

$$\frac{3}{8} + \frac{2}{8} = \underline{\hspace{2cm}}$$

24. Part A

Find the equivalent fraction.

$$\frac{7}{10} = \frac{\hspace{1cm}}{100}$$

Part B

Express $\frac{7}{10}$ as a decimal _____

25. A toy company's sales were \$173,459 in May and \$110,382 in June.

Part A

Which month had greater sales?

Part B

What were the total sales in May and June together?

26. **Part A**

Find the equivalent fraction.

$$\frac{5}{6} = \frac{\quad}{18}$$

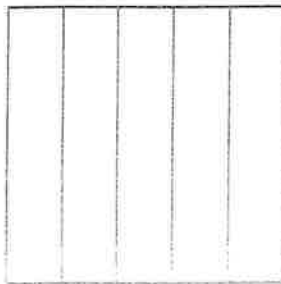
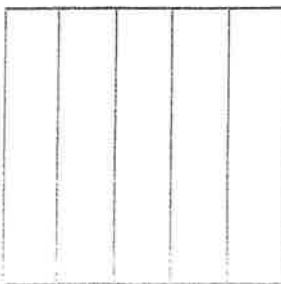
Part B

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

$$\frac{5}{6} \bigcirc \frac{14}{18}$$

27. **Part A**

Model $2 \times \frac{3}{5}$.



Part B
Find the product.

$$2 \times \frac{3}{5} = \underline{\hspace{2cm}}$$

28. The line plot shows the lengths of roads in a neighborhood.

Part A

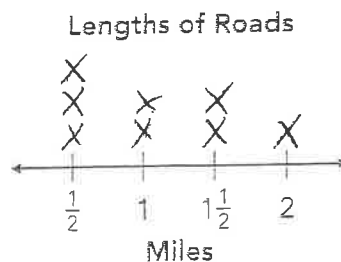
What is the most common length of road?

- ☐ $\frac{1}{2}$ mi ☐ 1 mi
☐ $1\frac{1}{2}$ mi ☐ 2 mi

Part B

What is the total length of all the roads?

_____ mi



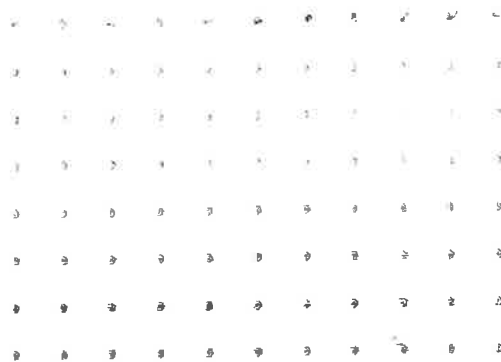
29. **Part A**

Draw a polygon with 4 sides, at least 1 right angle, and 2 pairs of parallel sides.

Part B

What is the most exact name for the polygon?

- ☐ quadrilateral ☐ parallelogram
☐ rectangle ☐ trapezoid



30. Sasha draws a triangle that has exactly 1 line of symmetry.

Part A

What type of triangle does Sasha draw? _____

Part B

Explain your reasoning.