Dear Parents,

With summer vacation rapidly approaching, schoolwork is about to come to an end. Although summer is a time for fun and relaxation, you know how much your child can lose academically over the summer. Your children have grown by leaps and bounds during the school year and it is essential to practice and reinforce all that they have learned, especially in the area of math. Because math is built on previously taught skills, we are giving students a summer packet to complete over the summer. Students can refer to the online textbook and tutorials if they need help completing the summer packet they have received. The work in these chapters is a review of skills taught in 3rd and 4th grades. By reviewing these skills throughout the summer they will be prepared to move right into the 5th grade curriculum, giving us more time to learn new material. **The packet will be due on Thursday, August 29, 2024, and will be counted as their 1st test grade.**

Thank you for your support and cooperation. Enjoy your summer and well-earned rest!

Stay safe; see you in August!

Mrs. Lambert

Name _____ Date _____

BEGINNING-OF-YEAR TEST

Give the best answer for each question.

1. Add.

$$\begin{array}{r} 583{,}602 \\ +\,341{,}978 \\ \hline \end{array}$$

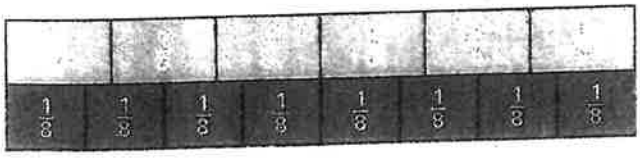
2. Subtract.

$$\begin{array}{r} 6{,}425 \\ -\quad 783 \\ \hline \end{array}$$

3. Find the quotient and remainder.

$3\overline{)16}$

4. Use the model to complete the equivalent fraction.



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

5. Add.

$2\frac{3}{12} + 3\frac{2}{12} =$ _____

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

$3\frac{4}{9} \bigcirc 3\frac{2}{3}$

7. Subtract.

$$\begin{array}{r} 423{,}197 \\ -\,396{,}248 \\ \hline \end{array}$$

8. What is 4,824 ÷ 8?

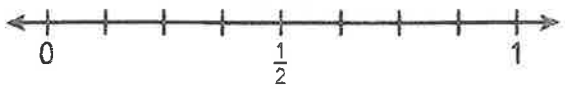
9. Use the model to complete the equivalent fraction.

$$\frac{3}{5} = \frac{\square}{10}$$

10. Subtract.

$5\frac{7}{8} - 2\frac{5}{8} =$ _____

11. Use the number line to compare. Write >, =, or <.



$\frac{1}{4}$ ○ $\frac{1}{2}$ $\frac{5}{8}$ ○ $\frac{1}{2}$

So, $\frac{1}{4}$ ○ $\frac{5}{8}$.

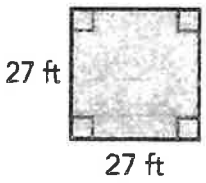
12. Multiply.

$$\begin{array}{r} 68 \\ \times 32 \\ \hline \end{array}$$

13. Andrew is one and five tenths meters tall. Give the height as a decimal.

_____ m

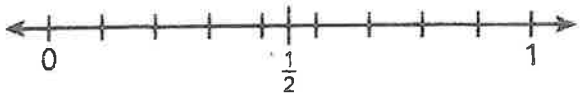
14. What is the area of the figure?



○ 27 ft² ○ 108 ft²

○ 54 ft² ○ 729 ft²

15. Use the number line to compare. Write >, =, or <.



$\frac{2}{3}$ ○ $\frac{1}{2}$ $\frac{4}{9}$ ○ $\frac{1}{2}$

So, $\frac{2}{3}$ ○ $\frac{4}{9}$.

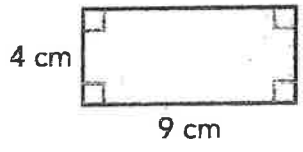
16. What is $\frac{17}{100} + \frac{5}{10}$?

- ○ $\frac{22}{10}$
- ○ $\frac{67}{10}$
- ○ $\frac{22}{100}$
- ○ $\frac{67}{100}$

17. Find the product. Give your answer as a mixed number.

$15 \times \frac{1}{4} =$ _____

18. What is the area of the figure?



○ 13 cm² ○ 36 cm²

○ 26 cm² ○ 72 cm²

18. Find the sum.

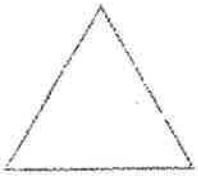
$$\frac{2}{10} + \frac{3}{100} = \frac{\square}{\square}$$

20. Multiply.

$$\begin{array}{r} 83 \\ \times\ 29 \\ \hline \end{array}$$

21. Match each triangle to its classification. Some triangles may be named in more than one way.

right



equilateral

isosceles

scalene

22. Write $\frac{47}{100}$ as a decimal.

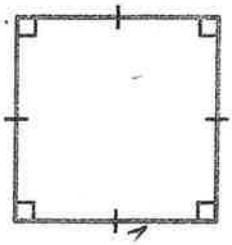
_____

23. Divide.

$8\overline{)2,504}$

24. Match each quadrilateral to its most precise name.

rectangle



square

parallelogram

rhombus

25. Jan draws a circle. She colors $\frac{1}{5}$ red and $\frac{2}{5}$ purple. What equation represents the fraction of the circle that Jan colors?

_____

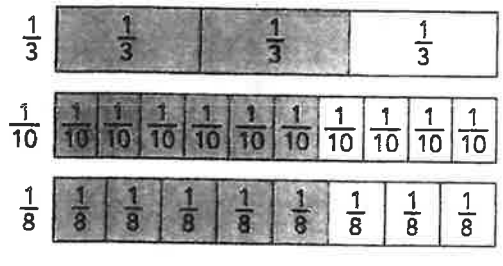
26. Jon is playing a computer game. He scores 125,372 points in round 1 and 137,972 points in round 2. What is the total number of points Jon scores in both rounds?

Jon scores _____ points.

27. Write the fractions in order from least to greatest.

$\frac{2}{3}$ $\frac{6}{10}$ $\frac{5}{8}$

Use the fraction bars to help.



□ □ □

□ □ □

28. A game spinner is divided into 8 equal sections. Four of the sections are blue and the rest are orange. What equation represents the fraction of the spinner that is orange?

_____

29. Zachary walks 1,200 feet. Forrest walks 872 feet. How many more feet does Zachary walk than Forrest?

Zachary walks _____ feet more.

30. Lin has two ribbons. The length of the blue ribbon is 1 yard 2 feet. The length of the red ribbon is 5 feet.

How do the lengths compare?

- The length of the blue ribbon is less than the length of the red ribbon.
- The length of the blue ribbon is greater than the length of the red ribbon.
- The length of the blue ribbon is the same as the length of the red ribbon.

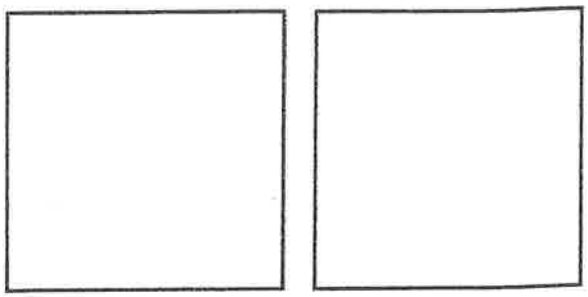
31. Lisa is planting a rectangular garden with six sections that are the same size. She plants vegetables in four sections. What difference represents the fraction of the garden that does not have vegetables?

$\frac{6}{6} - \frac{4}{6} = \frac{\square}{\square}$, so _____ does not have vegetables.

---

32. Draw a model to find the product.

$3 \times \frac{2}{5} =$ _____



---

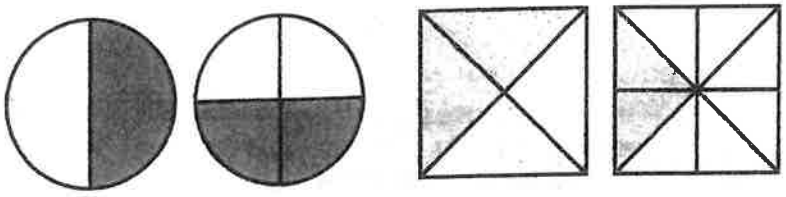
33. Write each fraction as a decimal. Then complete the sentence.

$\frac{3}{10} =$ _____ $\frac{23}{100} =$ _____

The value of 3 in the _____ place is 10 times the value of 3 in the _____ place.

---

34. Circle the pair of models that show equivalent fractions.



What equivalent fractions do the models represent?

$\frac{\square}{\square} = \frac{\square}{\square}$

35. Which of these fractions are greater than $\frac{1}{3}$?
Select **all** that apply.

- ○ $\frac{3}{12}$
- ○ $\frac{3}{6}$
- ○ $\frac{2}{9}$
- ○ $\frac{10}{12}$

36. Harper reads for $\frac{1}{4}$ hour five days a week. Arlen reads $\frac{3}{4}$ hour two days a week. Who spends more time reading during the week?

37. A company sells boxes that have 205 tennis balls in each box.

Part A
A sporting goods store orders 3 boxes of tennis balls. How many tennis balls does the store order?

Part B
Over the course of a year, the sporting goods store orders 104 boxes of tennis balls. How many tennis balls does the store order over the year?

38. Ben divides a sheet of paper into six equal parts. He colors one part yellow and three parts blue. What sum represents the fraction of the paper Ben colors? Draw a model to help.

$\frac{1}{6} + \frac{3}{6} = \frac{\square}{\square}$, so Ben colors _____ of the paper.

39. Estimate the sum 16,927 + 54,346. Then add.

Estimate: _____

$$\begin{array}{r} 16,927 \\ +\,54,346 \\ \hline \end{array}$$

40. Scott has $1\frac{1}{4}$ cups of flour in a container and $2\frac{3}{4}$ cups of flour in a bag. He uses $1\frac{3}{4}$ cups of flour to bake muffins.

Part A
What expression represents the amount of flour Scott has left?

_____

Part B
How much flour does Scott have left?

Scott has _____ cup(s) of flour left.

41. Eduardo has the amounts of juice shown.

Apple: 1 gal 3 qt

Orange: 2 gal

Grape: 1 gal 1 qt

Part A
Rename each quantity in quarts.

Apple: 1 gal 3 qt = _____ qt

Orange: 2 gal = _____ qt

Grape: 1 gal 1 qt = _____ qt

Part B
What is the order of the types of juice, based on quantity, from greatest to least?

_____, _____, _____

42. What is the standard form of 6,000,000 + 80,000 + 900 + 70 + 1?

A. _____

B. What is 5,700,000 written as a whole number times a power of 10?

_____

C. Complete the equation.

(3 × _____) × 4 = 3 × (6 × 4)

What property is shown?

43. Find 93 × 42.

Part A

Estimate the product by rounding.

_____

B. Find the actual product.

C. Which of the following has an estimated sum of 5×10^6?

- ○ 5,128,350 + 710,318
- ○ 4,016,735 + 116,359
- ○ 1,815,002 + 3,208,153
- ○ 9,735,128 + 4,691,730

44. Compare $\frac{7}{8}$ and $\frac{9}{12}$ using >, <, or =.

Part A

$\frac{7}{8}$ ◯ $\frac{9}{12}$

45. Find $\frac{7}{12} + \frac{1}{12} + \frac{3}{12}$.

46. Align. Then add.

5,607 + 3,819 + 963

Part B

Find the difference.

$$\begin{array}{r} 78,195 \\ -\,32,819 \\ \hline \end{array}$$

47. Vincent is mailing 4 packages with the weights shown.

Package A: 2 lb 12 oz
Package B: 1 lb 14 oz
Package C: 14 oz
Package D: 1 lb 12 oz

Part A
Rename each weight in ounces.

2 lb 12 oz = _____ oz

1 lb 14 oz = _____ oz

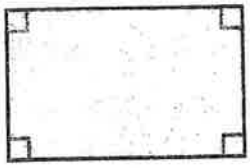
14 oz = _____ oz

1 lb 12 oz = _____ oz

Part B
What is the order of the packages, based on weight, from least to greatest?

_____, _____, _____, _____

48. Find the area of the figure. Be sure to use the correct units in your answer.



Part A
The area of the figure is _____.