TO: Rising 5th graders

FROM: Mrs. Donna Cleary

This is your summer math packet, summer reading book and questions. This work will be due on the first full day of school! For the reading questions, please answer in complete sentences on loose leaf paper.You should also read a book of your choice. Have the summer reading paper signed by one of your parents/guardians. We will complete an assignment for that book when we return to school.For the math problems, show your work when necessary.

We will have many fun activities when we return to school in August! Can't wait to get to know each of you as we journey through fifth grade together! Enjoy a relaxing, fun-filled summer. Stay safe and God bless each of you and your family!

Mrs. Donna Cleary

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.

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

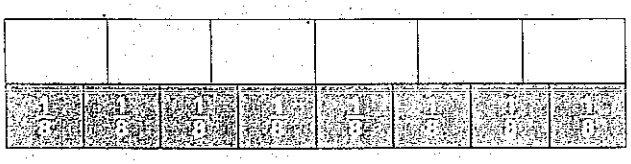
3. Find the quotient and remainder.

$3\overline{)16}$

6 R3 5 R4

6 R1 5 R1

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 <.

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

7. Subtract.

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

8. What is 4,824 ÷ 8?

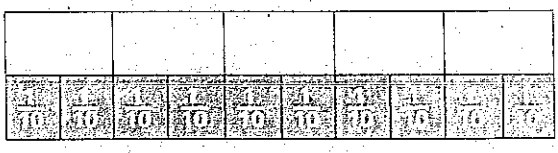
603

630

60 R3

600 R3

9. Use the model to complete the equivalent fraction.

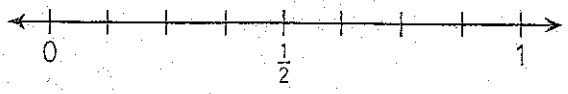


$\frac{3}{5} = \frac{\quad}{10}$

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. What are the partial products?

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

136 and 204

136 and 2,040

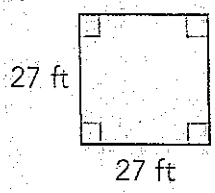
1,360 and 204

1,360 and 2,040

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

_____ m

14. What is the area of the figure?



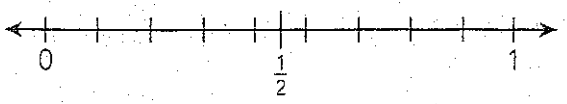
27 ft²

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 $\frac{17}{100} + \frac{5}{10}$?

$\frac{22}{10}$

$\frac{67}{10}$

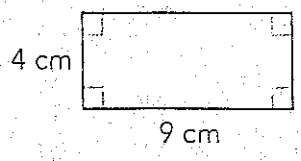
$\frac{22}{100}$

$\frac{67}{100}$

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

19. Find the sum.

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

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

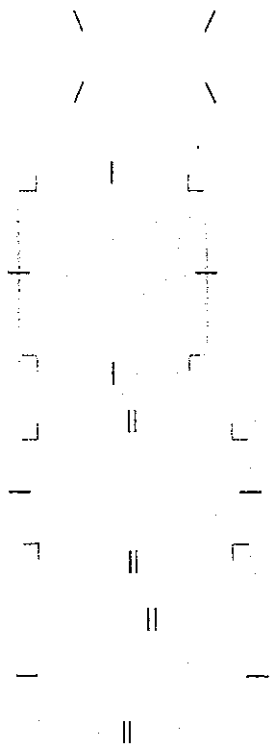
22. Write $\frac{47}{100}$ as a decimal.

_____

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?

_____

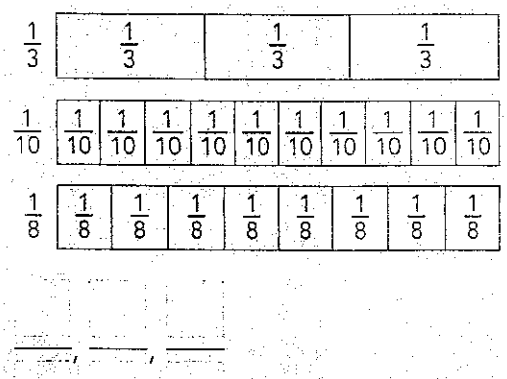
26. Jon is playing a computer game. He scores 125,372 points in round 1 and 137,972 points in round 2. What is the total number of points Jon scores in both rounds?

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.

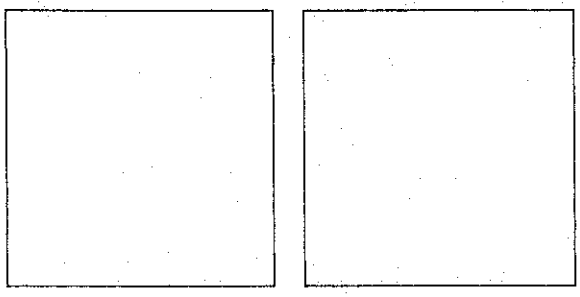
The length of the blue ribbon is the same as the length of the red ribbon.

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.

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

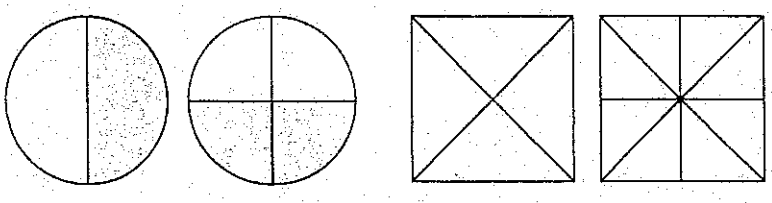


33. Write each fraction as a decimal. Then complete the sentence.

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

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?

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

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. Find $\frac{7}{10} - \frac{5}{10}$.

Part A
Explain how you can use a fraction strip to find the difference.

Part B
Subtract.

$\frac{7}{10} - \frac{5}{10} =$ ____

43. Find 93 × 42.

Part A
Estimate the product by rounding.

_____

Part B
How will the actual product compare to the estimate?

- The actual product will be greater than the estimate.
- The actual product will be less than the estimate.
- The actual product will be equal to the estimate.

Part C
Justify your answer to Part B.

Part D
Find the actual product.

$$\begin{array}{r} 93 \\ \times 42 \\ \hline \end{array}$$

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

Part A

$\frac{7}{8}$ $\frac{9}{12}$

Part B

Justify your answer to Part A.

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

Part A

Draw a model to show the sum.

Part B

$\frac{7}{12} + \frac{1}{12} + \frac{3}{12} =$ ____

46. Find $\frac{8}{10} + \frac{9}{100}$.

Part A

Explain how you can find the sum.

Part B

Add.

$\frac{8}{10} + \frac{9}{100} =$ ____