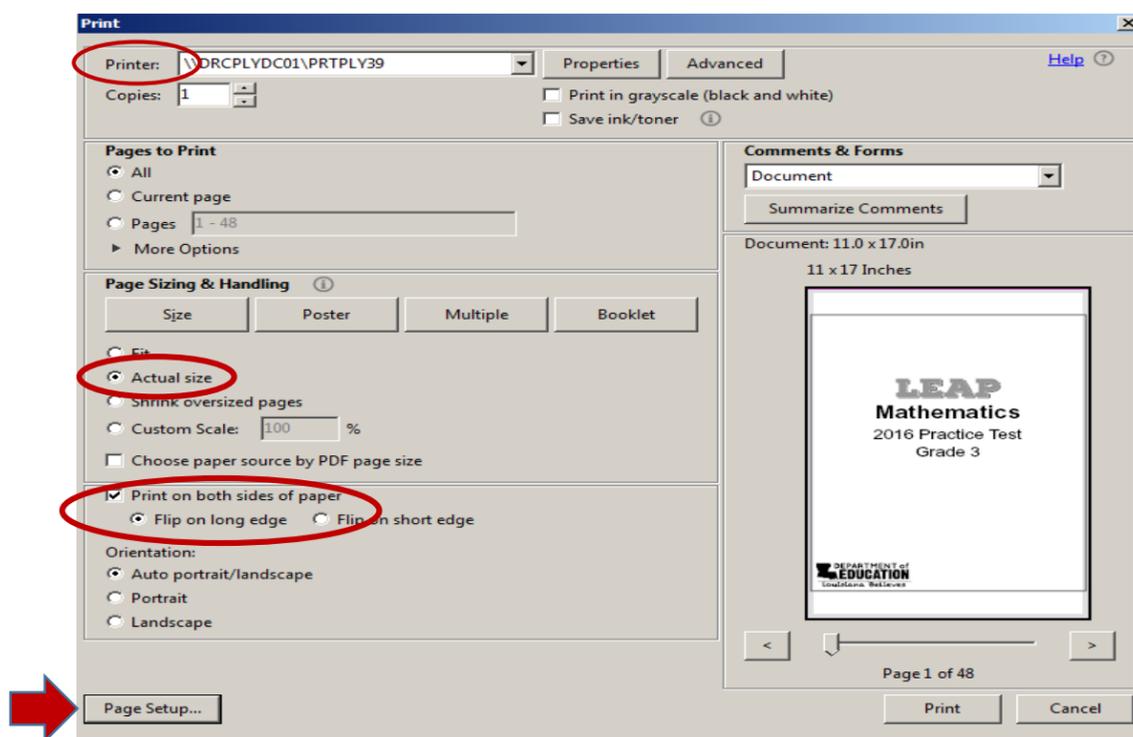


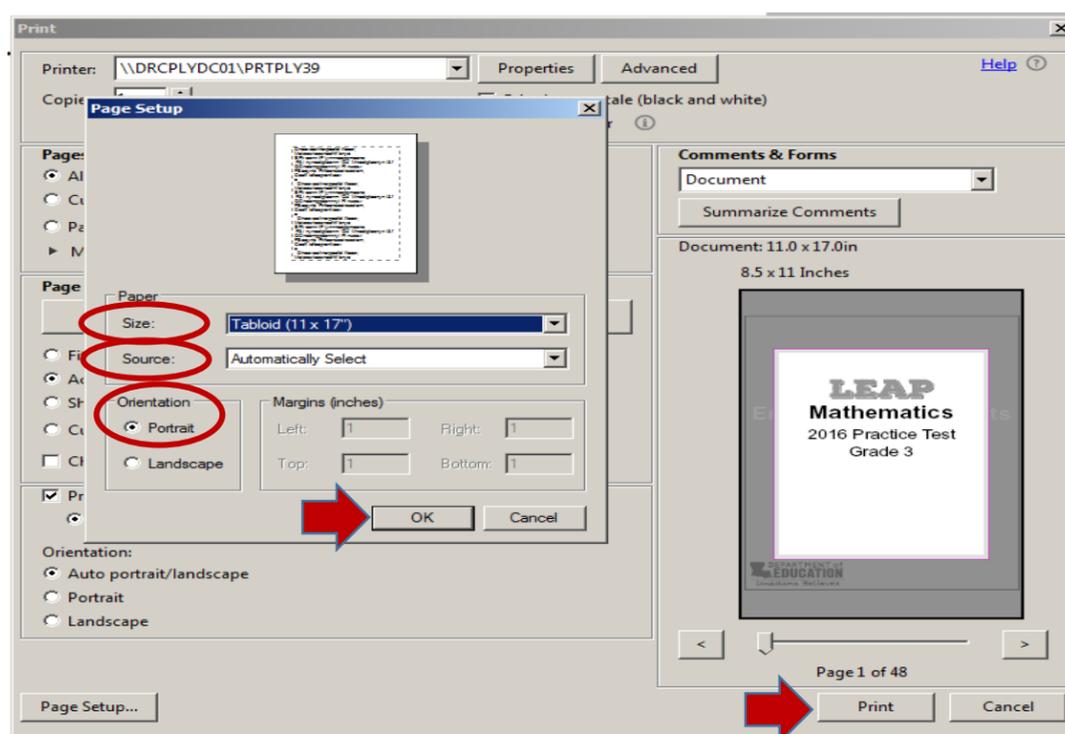
# INSTRUCTIONS FOR PRINTING THIS DOCUMENT

This document has been specially formatted to ensure it meets the specifications of the large-print accommodation. It must be printed on 11" x 17" paper. Please follow the instructions below to ensure the document prints correctly. Images are also provided to assist you.

1. Open the PDF file.
2. Click on "File", and on the drop-down menu that appears, select "Print". The Print window will pop up (see example below).
3. Make sure "Actual size" is selected
4. If your printer has the capacity to print double-sided, you may want to select the "Print on both sides of paper" option and the "Flip on long edge" option.
5. Then select the "Page Setup..." button in the lower left corner.



6. In the Page Setup screen (see below) you will want to make sure to select the correct size option in the Size dropdown menu. It may be called "11 x 17" or "Tabloid (11 x 17)" or something similar.
7. Allow the Source field to default to "Automatically Select".
8. Orientation must be set to "Portrait".
9. Then select the "OK" button to save your changes and close the Page Setup screen.
10. Finally, select the "Print" button.



**LEAP**

**Mathematics**

**2016 Practice Test**

**Grade 4**



Louisiana Believes





# Session 1

## Directions:

Today, you will take Session 1 of the Grade 4 Mathematics Test. You will not be able to use a calculator in this session.

Read each question. Then, follow the directions to answer each question. Mark your answers by completely filling in the circles in your test booklet. Do not make any pencil marks outside of the circles. If you need to change an answer, be sure to erase your first answer completely.

If a question asks you to show or explain your work, you must do so to receive full credit. Only responses written within the provided space will be scored.

If you do not know the answer to a question, you may go to the next question. If you finish early, you may review your answers and any questions you did not answer in this session **ONLY**. Do not go past the stop sign.

**GO ON ►**

**Directions for Completing the Answer Grids**

1. Work the problem and find an answer.
2. Write your answer in the boxes at the top of the grid.
3. Print only one number or symbol in each box. Do not leave a blank box in the middle of an answer.
4. Under each box, fill in the circle that matches the number or symbol you wrote above. Make a solid mark that completely fills the circle.
5. Do not fill in a circle under an unused box.
6. Fractions cannot be entered into an answer grid and will not be scored. Enter fractions as decimals.
7. See below for examples on how to correctly complete an answer grid.

To answer 632 in a question, fill in the answer grid as shown on the left in your Test Booklet.

6	3	2			
○	○	○	○	○	○
○0	○0	○0	○0	○0	○0
○1	○1	○1	○1	○1	○1
○2	○2	●	○2	○2	○2
○3	●	○3	○3	○3	○3
○4	○4	○4	○4	○4	○4
○5	○5	○5	○5	○5	○5
●	○6	○6	○6	○6	○6
○7	○7	○7	○7	○7	○7
○8	○8	○8	○8	○8	○8
○9	○9	○9	○9	○9	○9

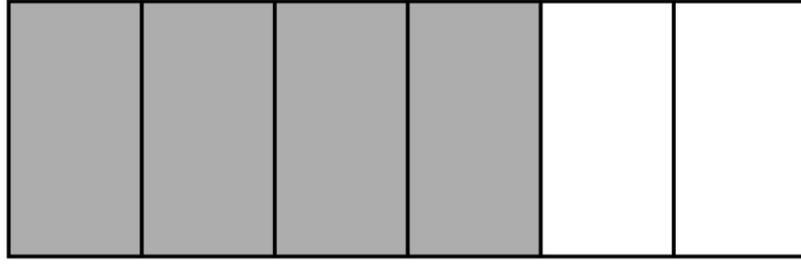
To answer .75 in a question, fill in the answer grid as shown on the right in your Test Booklet.

.	7	5			
●	○	○	○	○	○
○0	○0	○0	○0	○0	○0
○1	○1	○1	○1	○1	○1
○2	○2	○2	○2	○2	○2
○3	○3	○3	○3	○3	○3
○4	○4	○4	○4	○4	○4
○5	○5	●	○5	○5	○5
○6	○6	○6	○6	○6	○6
○7	●	○7	○7	○7	○7
○8	○8	○8	○8	○8	○8
○9	○9	○9	○9	○9	○9

## Mathematics

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1. Anthony had 2 candy bars. The figure below shows the fraction of **one** candy bar that Anthony ate. Anthony ate the same fraction of each candy bar.



To find the total amount of candy bars he ate, Anthony writes the expression shown.

$$2 \times \frac{4}{6}$$

Which expression could Anthony also use to find the total amount of candy bars he ate?

- Ⓐ  $6 \times \frac{1}{6}$
- Ⓑ  $8 \times \frac{1}{6}$
- Ⓒ  $6 \times \frac{1}{4}$
- Ⓓ  $8 \times \frac{1}{4}$

**GO ON ►**

2. Samara buys a video game for \$56. She also buys a book. The price of the video game is 8 times as much as the price of the book. What is the price, in dollars, of the book?

Enter your answer in the box.

●	●	●	●	●	●
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

## Mathematics

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3. Stephen is watching a car race. His favorite driver has been in first place for more than  $\frac{1}{2}$  of the laps so far.

Select the **two** fractions that could show the fraction of laps for which Stephen's favorite driver was in first place.

- Ⓐ  $\frac{1}{3}$
- Ⓑ  $\frac{2}{4}$
- Ⓒ  $\frac{3}{5}$
- Ⓓ  $\frac{4}{8}$
- Ⓔ  $\frac{7}{12}$
- Ⓕ  $\frac{49}{100}$

4. In which numbers does the digit 7 have a value 10 times greater than the place value of 7 in 6,275?

Select the **two** correct answers.

- Ⓐ 7,000
- Ⓑ 7,590
- Ⓒ 8,207
- Ⓓ 8,275
- Ⓔ 8,740
- Ⓕ 8,799

**GO ON ►**

5. Which fractions are equal to  $\frac{2}{3}$ ?

Select the **two** correct answers.

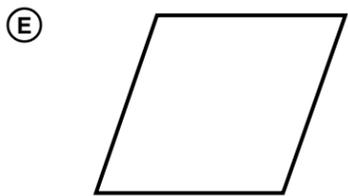
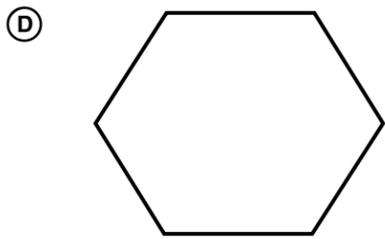
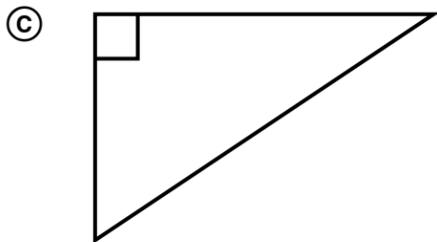
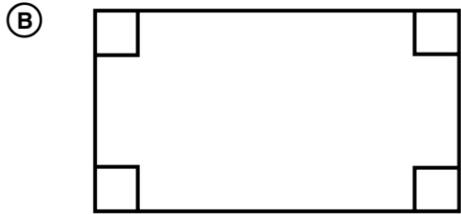
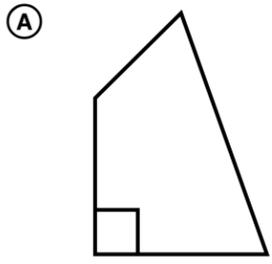
- (A)  $\frac{4}{6}$
- (B)  $\frac{7}{8}$
- (C)  $\frac{6}{10}$
- (D)  $\frac{4}{5}$
- (E)  $\frac{8}{12}$

6. A machine sorts pieces of mail. On Tuesday, the machine sorted six thousand eighty-seven pieces of mail. Written in standard form, how many pieces of mail did the machine sort on Tuesday?

Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

7. Which **three** shapes appear to have at least two parallel sides?



**GO ON ►**

8. Michelle uses a scale to measure 2 rocks. One rock weighs  $\frac{7}{10}$  pound. The other rock weighs  $\frac{25}{100}$  pound. Which fraction represents the total weight, in pounds, of both rocks?

Ⓐ  $\frac{32}{10}$

Ⓑ  $\frac{32}{100}$

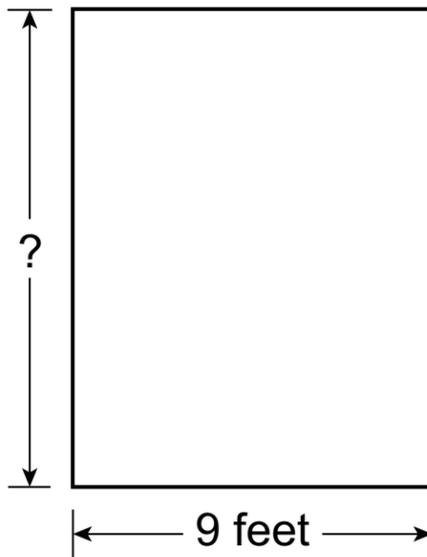
Ⓒ  $\frac{95}{10}$

Ⓓ  $\frac{95}{100}$

## Mathematics

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9. The area of the rectangular sandbox at Dave's school is 108 square feet. The sandbox has a width of 9 feet, as shown in the diagram.



What is the length, in feet, of the sandbox?

Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

10. Which **two** equations represent the statement “48 is 6 times as many as 8”?

Select the **two** correct answers.

- (A)  $48 = 6 + 8$   
(B)  $48 = 6 \times 8$   
(C)  $48 = 6 \times 6$   
(D)  $48 = 8 + 6$   
(E)  $48 = 8 \times 6$

**GO ON ►**

Use the information provided to answer Part A and Part B for question 11.

11. Jake and each of his two brothers choose a fraction between 0 and 1.

Jake chooses  $\frac{3}{4}$ , Aaron chooses  $\frac{9}{10}$ , and Simon chooses  $\frac{4}{12}$ .

**Part A**

Which comparison is correct?

Ⓐ  $\frac{9}{10} < \frac{4}{12}$

Ⓑ  $\frac{4}{12} = \frac{3}{4}$

Ⓒ  $\frac{3}{4} < \frac{9}{10}$

Ⓓ  $\frac{4}{12} > \frac{3}{4}$

**Part B**

Select a group of fractions that includes an equivalent fraction for each of the

fractions  $\frac{3}{4}$ ,  $\frac{9}{10}$ , and  $\frac{4}{12}$ .

Ⓐ  $\frac{3}{8}$ ,  $\frac{9}{100}$ ,  $\frac{1}{4}$

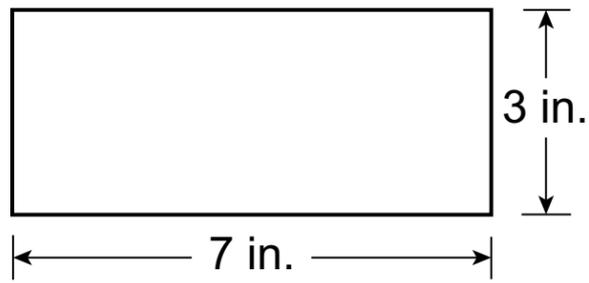
Ⓑ  $\frac{3}{8}$ ,  $\frac{90}{100}$ ,  $\frac{1}{3}$

Ⓒ  $\frac{9}{12}$ ,  $\frac{90}{100}$ ,  $\frac{1}{3}$

Ⓓ  $\frac{9}{12}$ ,  $\frac{90}{100}$ ,  $\frac{1}{4}$

Use the information provided to answer Part A and Part B for question 12.

12. A rectangle is shown.



**GO ON ►**

**Part A**

A student uses square tiles measuring 1 inch on each side to find the area of the rectangle. Her reasoning is shown.

I covered the top and bottom edges of the rectangle with 7 tiles each.



I then covered the left and right edges with 3 tiles each. I added up all the tiles I used to get a total area of 20 square inches.  $7 + 7 + 3 + 3 = 20$



Identify the two errors in the student’s reasoning and describe how to correctly use square tiles to find the area of the rectangle. Give the correct area of the rectangle.

Enter your answers and your description in the box provided.

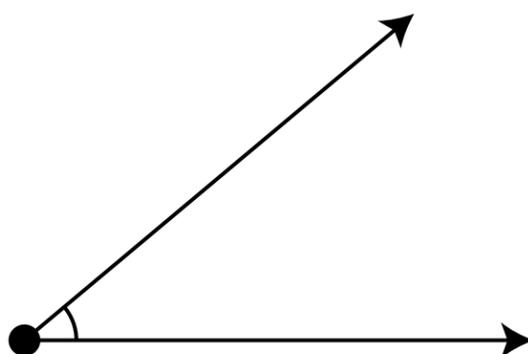
**Part B**

Write a multiplication sentence that models how to find the area of the rectangle shown.

Enter your multiplication sentence in the box provided.

**GO ON ►**

13. Look at the angle shown.



Which measure is closest to the measure of the angle?

- Ⓐ  $140^\circ$
- Ⓑ  $90^\circ$
- Ⓒ  $40^\circ$
- Ⓓ  $15^\circ$

14. Part A

A school's art teacher needs 200 sticks of clay. An art shop donates 9 small boxes of clay and 6 large boxes of clay.

Box Size	Number of Sticks of Clay in Each Box
small	7
large	10

How many more sticks of clay will the art teacher need?

Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

**GO ON ►**

**Part B**

The art teacher buys the rest of the clay he needs in large boxes. The cost of 1 large box of clay is \$14. What is the total cost for these boxes of clay? Show or explain your work.

Enter your answer and your work or explanation in the box provided.



## Session 2

### Directions:

Today, you will take Session 2 of the Grade 4 Mathematics Test. You will not be able to use a calculator in this session.

Read each question. Then, follow the directions to answer each question. Mark your answers by completely filling in the circles in your test booklet. Do not make any pencil marks outside of the circles. If you need to change an answer, be sure to erase your first answer completely.

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**GO ON ►**

**Directions for Completing the Answer Grids**

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To answer 632 in a question, fill in the answer grid as shown on the left in your Test Booklet.

6	3	2			
○	○	○	○	○	○
○0	○0	○0	○0	○0	○0
○1	○1	○1	○1	○1	○1
○2	○2	●	○2	○2	○2
○3	●	○3	○3	○3	○3
○4	○4	○4	○4	○4	○4
○5	○5	○5	○5	○5	○5
●	○6	○6	○6	○6	○6
○7	○7	○7	○7	○7	○7
○8	○8	○8	○8	○8	○8
○9	○9	○9	○9	○9	○9

To answer .75 in a question, fill in the answer grid as shown on the right in your Test Booklet.

.	7	5			
●	○	○	○	○	○
○0	○0	○0	○0	○0	○0
○1	○1	○1	○1	○1	○1
○2	○2	○2	○2	○2	○2
○3	○3	○3	○3	○3	○3
○4	○4	○4	○4	○4	○4
○5	○5	●	○5	○5	○5
○6	○6	○6	○6	○6	○6
○7	●	○7	○7	○7	○7
○8	○8	○8	○8	○8	○8
○9	○9	○9	○9	○9	○9

## Mathematics

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15. What is the value of  $48 \times 65$ ?

- Ⓐ 528
- Ⓑ 780
- Ⓒ 2,020
- Ⓓ 3,120

16. Rob made 8 three-point baskets and 24 two-point baskets during basketball practice. The number of two-point baskets Rob made is how many times as much as the number of three-point baskets he made?

Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

**GO ON ►**

17. Lisa completed six science experiments. Each experiment produced a different amount of salt. The weight, in ounces, of each amount of salt is listed below.

Salt M	0.99
Salt N	0.05
Salt O	0.60
Salt P	0.45
Salt Q	0.39
Salt R	0.06

Select the **two** correct comparisons of the different salt weights, in ounces.

- Ⓐ  $0.99 > 0.06$
- Ⓑ  $0.05 > 0.39$
- Ⓒ  $0.60 < 0.99$
- Ⓓ  $0.45 < 0.39$
- Ⓔ  $0.06 = 0.60$

## Mathematics

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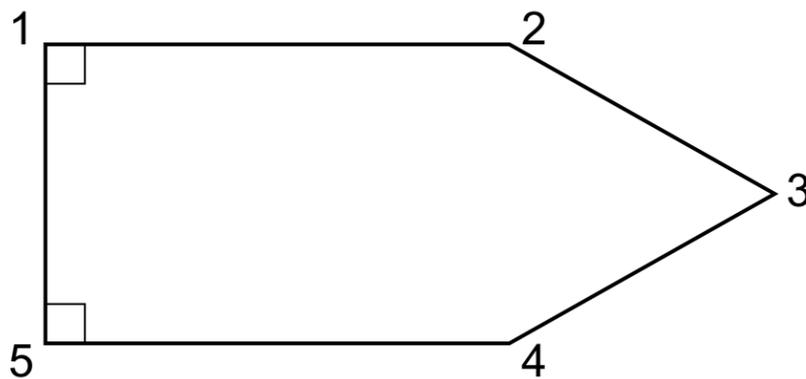
18. Sofia's favorite basketball player scored a total of 14,082 points in his career. How many points did Sofia's favorite basketball player score rounded to the nearest thousand?
- Ⓐ 10,000
  - Ⓑ 14,000
  - Ⓒ 15,000
  - Ⓓ 20,000
19. For exercise, Leila walks and runs the same route each day. She walks the first  $\frac{1}{3}$  of the route and then runs the rest. Which fractions represent the fraction of the route that Leila walks?

Select the **two** correct answers.

- Ⓐ  $\frac{2}{4}$
- Ⓑ  $\frac{2}{6}$
- Ⓒ  $\frac{3}{8}$
- Ⓓ  $\frac{3}{10}$
- Ⓔ  $\frac{4}{12}$
- Ⓕ  $\frac{30}{100}$

**GO ON ►**

20. The angles of the pentagon are numbered.



Which angles of the pentagon are right angles?

Select the **two** angles that are right angles.

- Ⓐ angle 1
- Ⓑ angle 2
- Ⓒ angle 3
- Ⓓ angle 4
- Ⓔ angle 5

21. The fraction  $\frac{4}{5}$  can be written as the expression  $n \times \frac{1}{5}$ . What number represents  $n$  in the expression?

Enter your answer in the box.

⦿	⦿	⦿	⦿	⦿	⦿
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Use the information provided to answer Part A and Part B for question 22.

22. The table shows the number of computers sold at a store in three different months.

Month	Number of Computers
January	6,521
February	2,374
March	2,498

**Part A**

What is the total number of computers sold at the store in the three months?

Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

**GO ON ►**

**Part B**

How many **more** computers were sold at the store in January than in both February and March combined?

Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

**GO ON ►**

23. Which of these numbers are prime numbers?

Select the **three** numbers that are prime.

- Ⓐ 15
- Ⓑ 19
- Ⓒ 27
- Ⓓ 37
- Ⓔ 43
- Ⓕ 51

**GO ON ►**

24. Kelly and Louise share pens from a package. There are 12 pens in the package.
- Kelly gets  $\frac{3}{12}$  of the pens.
  - Louise gets  $\frac{4}{12}$  of the pens.

What fraction of the pens are remaining in the package?

- Ⓐ  $\frac{1}{12}$
- Ⓑ  $\frac{3}{12}$
- Ⓒ  $\frac{4}{12}$
- Ⓓ  $\frac{5}{12}$

## Mathematics

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25. Subtract.

$$2,896 - 929$$

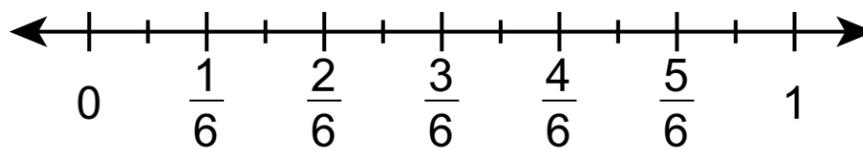
Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

**GO ON ►**

26. Explain how to find  $2 \times \frac{5}{12}$  using the number line.

Find the product.



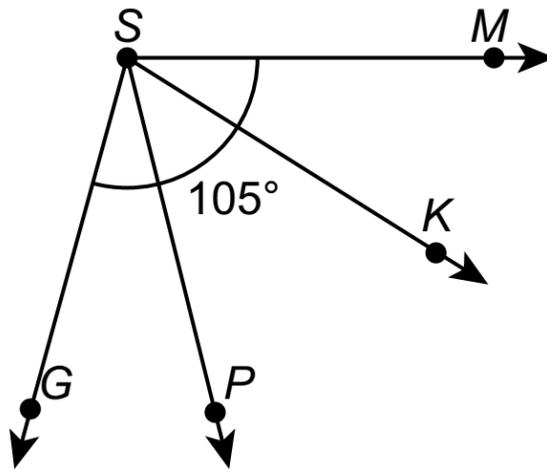
Enter your answer and your explanation in the box provided.

**GO ON ►**

Use the information provided to answer Part A and Part B for question 27.

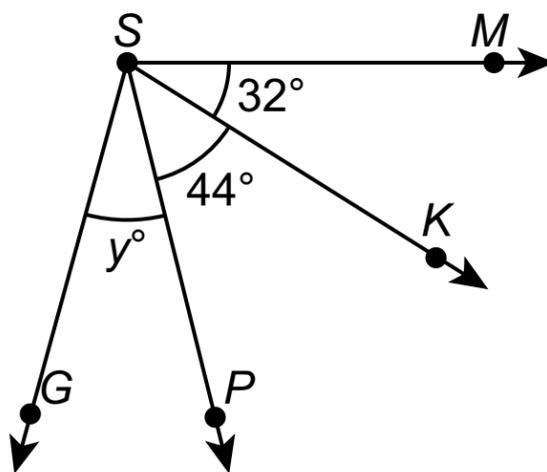
27. Two figures are shown. In Figure 1, the measure of angle  $MSG$  is  $105^\circ$ .

Figure 1



The measures of angle  $MSK$ , angle  $KSP$ , and angle  $PSG$  are shown in Figure 2. The measure of angle  $MSG$  is still  $105^\circ$ .

Figure 2



**Part A**

Which equation can be used to find the value of  $y$ ?

- Ⓐ  $y - 44 - 32 = 105$
- Ⓑ  $y \times 44 \times 32 = 105$
- Ⓒ  $y \div 44 \div 32 = 105$
- Ⓓ  $y + 44 + 32 = 105$

**Part B**

What is the value of  $y$ ?

Enter your answer in the box.

•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

## Mathematics

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28. A student uses tubes of paint to draw on 1 poster and 2 shirts.
- The student uses 6 tubes of paint to draw on the poster.
  - The number of tubes used for the poster is 3 times the number of tubes used for each shirt.
  - Each tube contains  $\frac{1}{3}$  ounce of paint.

How many ounces of paint does the student use for 1 shirt? How many ounces of paint does the student use to make 1 poster and 2 shirts? Show your work or explain your answers.

Enter your answers and your work or explanation in the box provided.





## Session 3

### Directions:

Today, you will take Session 3 of the Grade 4 Mathematics Test. You will not be able to use a calculator in this session.

Read each question. Then, follow the directions to answer each question. Mark your answers by completely filling in the circles in your test booklet. Do not make any pencil marks outside of the circles. If you need to change an answer, be sure to erase your first answer completely.

If a question asks you to show or explain your work, you must do so to receive full credit. Only responses written within the provided space will be scored.

If you do not know the answer to a question, you may go to the next question. If you finish early, you may review your answers and any questions you did not answer in this session **ONLY**. Do not go past the stop sign.

**GO ON ►**

**Directions for Completing the Answer Grids**

1. Work the problem and find an answer.
2. Write your answer in the boxes at the top of the grid.
3. Print only one number or symbol in each box. Do not leave a blank box in the middle of an answer.
4. Under each box, fill in the circle that matches the number or symbol you wrote above. Make a solid mark that completely fills the circle.
5. Do not fill in a circle under an unused box.
6. Fractions cannot be entered into an answer grid and will not be scored. Enter fractions as decimals.
7. See below for examples on how to correctly complete an answer grid.

To answer 632 in a question, fill in the answer grid as shown on the left in your Test Booklet.

6	3	2			
○	○	○	○	○	○
○0	○0	○0	○0	○0	○0
○1	○1	○1	○1	○1	○1
○2	○2	●	○2	○2	○2
○3	●	○3	○3	○3	○3
○4	○4	○4	○4	○4	○4
○5	○5	○5	○5	○5	○5
●	○6	○6	○6	○6	○6
○7	○7	○7	○7	○7	○7
○8	○8	○8	○8	○8	○8
○9	○9	○9	○9	○9	○9

To answer .75 in a question, fill in the answer grid as shown on the right in your Test Booklet.

.	7	5			
●	○	○	○	○	○
○0	○0	○0	○0	○0	○0
○1	○1	○1	○1	○1	○1
○2	○2	○2	○2	○2	○2
○3	○3	○3	○3	○3	○3
○4	○4	○4	○4	○4	○4
○5	○5	●	○5	○5	○5
○6	○6	○6	○6	○6	○6
○7	●	○7	○7	○7	○7
○8	○8	○8	○8	○8	○8
○9	○9	○9	○9	○9	○9

29. Which statement about angles is true?

- Ⓐ An angle is formed by two rays that do not have the same endpoint.
- Ⓑ An angle that turns through  $\frac{1}{360}$  of a circle has a measure of 360 degrees.
- Ⓒ An angle that turns through five 1-degree angles has a measure of 5 degrees.
- Ⓓ An angle measure is equal to the total length of the two rays that form the angle.

30. The Amazon River is about 6,516 kilometers long.

The Mississippi River is about 3,775 kilometers long.

What is the difference, in kilometers, between these two lengths?

Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

31. Select the **two** sums that are equal to  $3\frac{3}{4}$ .

Ⓐ  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

Ⓑ  $\frac{3}{4} + \frac{3}{4} + \frac{3}{4}$

Ⓒ  $\frac{12}{4} + \frac{3}{4}$

Ⓓ  $\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4}$

Ⓔ  $\frac{4}{4} + \frac{4}{4} + \frac{4}{4} + \frac{3}{4}$

32. A team runs a race. There are 4 people on the team, and each person runs the same distance. The team runs a total distance of 5,280 feet.

What is the distance, in feet, that each person runs?

Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

**GO ON ►**

33. The length of a desktop is 4 feet. How many inches is the length of the desktop?

Enter your answer in the box.

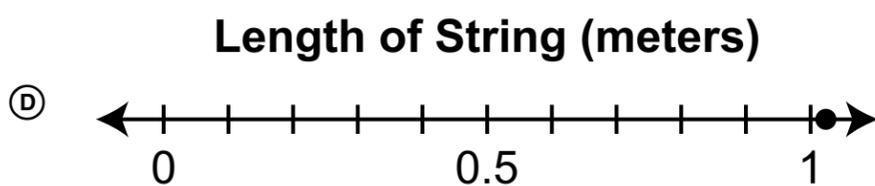
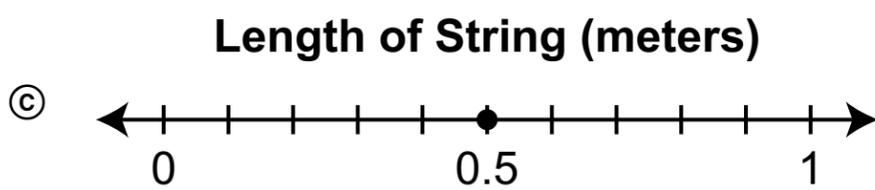
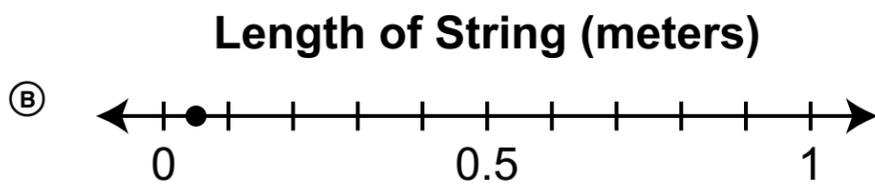
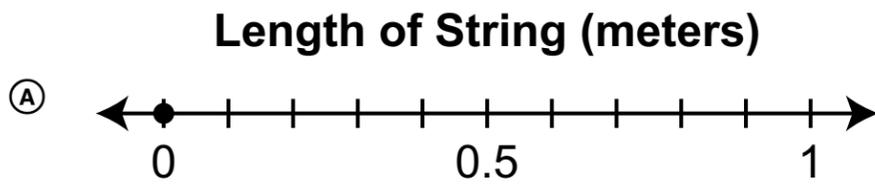
⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

34. Malik buys eggs at the store. When he gets home, he finds that  $\frac{4}{12}$  of the eggs are cracked. To represent the fraction of eggs that are cracked, Malik writes an equivalent fraction with a denominator of 6. What is the numerator of Malik's fraction?

Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

35. A piece of string is  $\frac{5}{100}$  meter long. Which number line has a point representing the length, in meters, of the piece of string?



## Mathematics

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36. What is the value of  $2,450 \times 5$ ?

- Ⓐ 1,450
- Ⓑ 3,250
- Ⓒ 10,050
- Ⓓ 12,250

37. What is  $\frac{3}{10} + \frac{17}{100}$ ?

- Ⓐ  $\frac{20}{100}$
- Ⓑ  $\frac{20}{110}$
- Ⓒ  $\frac{47}{100}$
- Ⓓ  $\frac{47}{200}$

**GO ON ►**

38. Select the **three** choices that are factor pairs for the number 28.

- Ⓐ 1 and 28
- Ⓑ 2 and 14
- Ⓒ 3 and 9
- Ⓓ 4 and 7
- Ⓔ 6 and 5
- Ⓕ 8 and 3

39. Divide.

$$1,552 \div 4$$

Enter your answer in the box.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

40. A student's work to add the mixed numbers  $1\frac{3}{4}$  and  $2\frac{3}{4}$  is shown.

$$\begin{aligned}1\frac{3}{4} + 2\frac{3}{4} &= \frac{4}{4} + \frac{3}{4} + \frac{8}{4} + \frac{3}{4} \\ &= \frac{4 + 3 + 8 + 3}{4 + 4 + 4 + 4} \\ &= \frac{18}{16}\end{aligned}$$

Explain any errors you see in the work. Find the correct solution. Show your work or explain your answer.

Enter your explanation, your solution, and your work or explanation in the box provided.

**GO ON ►**

41. **Part A**

A truck delivers 32 cases of soup to a store. Each case holds 8 cans of soup. The store manager plans to place 9 cans on each shelf. What is the fewest number of shelves the manager will need for all of the cans of soup delivered by the truck?

- Ⓐ 4
- Ⓑ 5
- Ⓒ 28
- Ⓓ 29

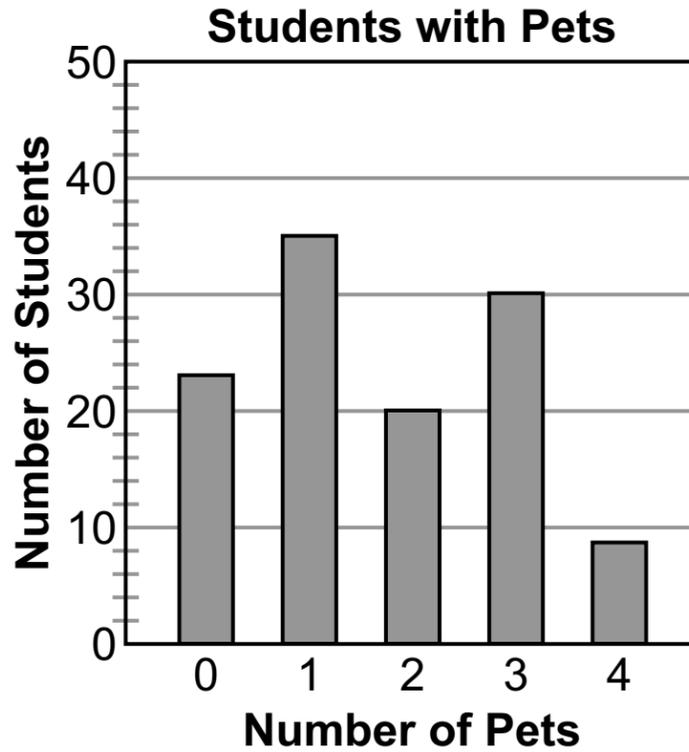
**Part B**

The same truck delivers 9 cases of canned corn. Each case holds 36 cans of corn. When the cases are unpacked, 15 of the cans are missing. The store manager places 7 cans of corn on each shelf. What is the fewest number of shelves the manager will need for all of the cans of corn delivered by the truck?

- Ⓐ 44
- Ⓑ 45
- Ⓒ 46
- Ⓓ 47

Use the information provided to answer Part A through Part C for question 42.

42. Ms. Sloan asked 117 fourth-grade students the question, “How many pets do you have?” She displayed the data she collected in the bar graph shown.



**Part A**

How many of the students that responded have exactly 2 pets?

Enter your answer in the box.

●	●	●	●	●	●
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

**GO ON ►**

**Part B**

How many more students have exactly 1 pet than students who have exactly 3 pets?  
Explain your answer.

Enter your answer and explanation in the box provided.

**Part C**

Find the total number of pets the fourth-grade students have.

- Explain how you used the bar graph to solve the problem.
- Show your work using equations.

Enter your explanation, your work, and the total number of pets in the box provided.



## **STATE BOARD OF ELEMENTARY AND SECONDARY EDUCATION TEST SECURITY POLICY<sup>1</sup>**

The State Board of Elementary and Secondary Education approved a Test Security Policy on December 10, 1998. This has been periodically revised.

The Board of Elementary and Secondary Education holds the test security policy to be of utmost importance and deems any violation of test security to be serious.

The State Superintendent of Education may disallow test results that may have been achieved in a manner that is in violation of test security.

In cases in which test results are not accepted because of a breach of test security or action by the Louisiana Department of Education, any programmatic, evaluative, or graduation criteria dependent upon the data shall be deemed not to have been met.

Any teachers or other school personnel who breach test security or allow breaches in test security shall be disciplined in accordance with the provisions of R.S. 17:416 et seq., R.S. 17:441 et seq., R.S. 17:81.6 et seq., policy and regulations adopted by the Board of Elementary and Secondary Education, and any and all laws that may be enacted by the Louisiana Legislature.

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<sup>1</sup> Excerpts from *Bulletin 118*

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For further information or to anonymously report testing irregularities, call 1-844-268-7320.

**LEAP**