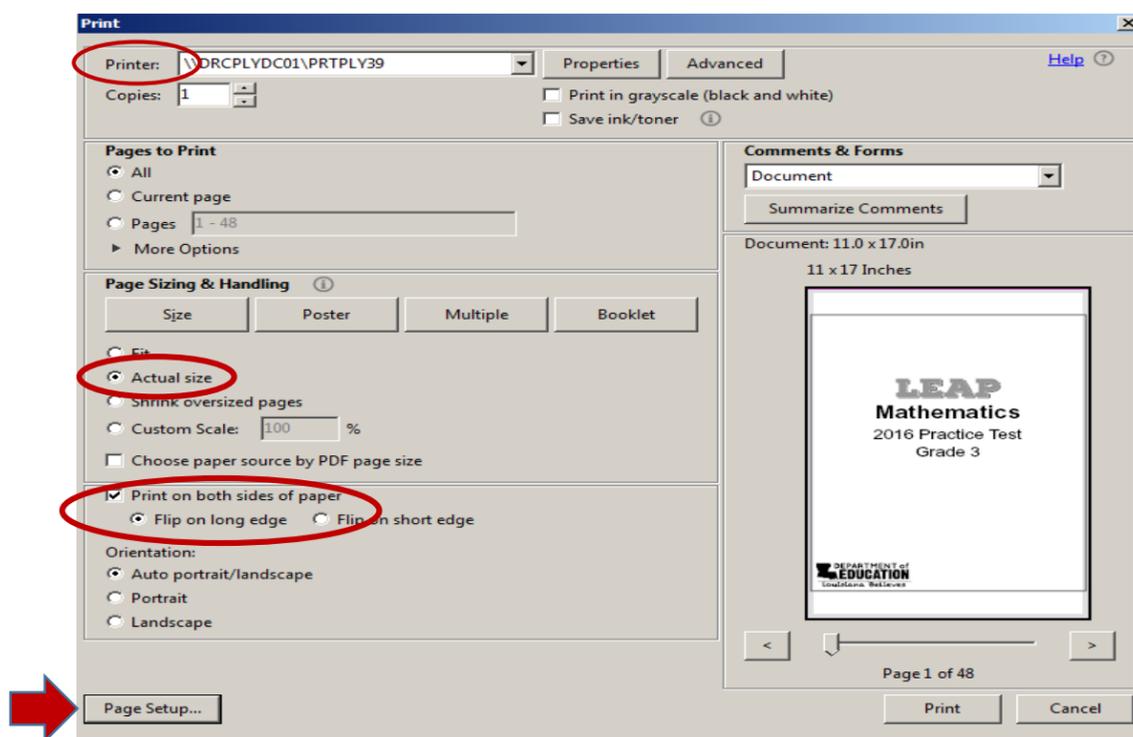


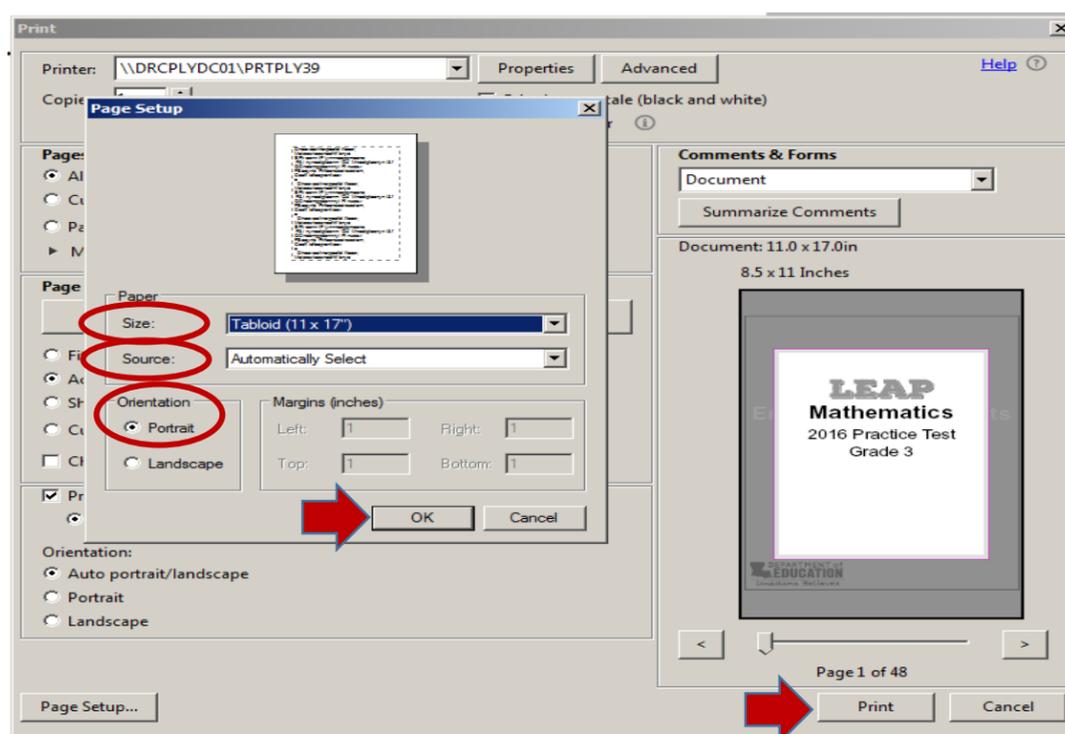
# INSTRUCTIONS FOR PRINTING THIS DOCUMENT

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 5**



Louisiana Believes





# Session 1

**Directions:**

Today, you will take Session 1 of the Grade 5 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			
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0	0	0
1	1	1	1	1	1
2	2	<input checked="" type="radio"/>	2	2	2
3	<input checked="" type="radio"/>	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
<input checked="" type="radio"/>	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			
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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	<input checked="" type="radio"/>	5	5	5
6	6	6	6	6	6
7	<input checked="" type="radio"/>	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

## Mathematics

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1. What is the value of  $13 \times [4 + (9 - 2)]$ ?

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

2. Lana is creating a video. Her computer shows that the video is 184.026 seconds long. She writes the length of the video in expanded form.

Which expression represents the value of one of the digits in the length of Lana's video?

- (A)  $1 \times 1000$
- (B)  $2 \times \frac{1}{10}$
- (C)  $4 \times 10$
- (D)  $6 \times \frac{1}{1000}$

**GO ON ►**

3. Karla is mowing her lawn. She mows  $\frac{2}{5}$  of the lawn before stopping for a snack. She resumes mowing after her snack and mows another  $\frac{1}{3}$  of her lawn before stopping for lunch. What total fraction of her lawn does Karla mow before lunch?
- Ⓐ  $\frac{3}{8}$
- Ⓑ  $\frac{5}{8}$
- Ⓒ  $\frac{11}{15}$
- Ⓓ  $\frac{13}{15}$
4. What is  $402 \times 365$ ?
- Ⓐ 12,010
- Ⓑ 15,330
- Ⓒ 146,730
- Ⓓ 146,780

## Mathematics

---

5. Tommy bought a baseball card in March. In August, he learned that the value of his card was  $\frac{13}{10}$  of what he paid for it. Which statement best explains how the value of Tommy's baseball card changed from March to August?

- Ⓐ The value has decreased because whenever you multiply a number by a fraction less than 1, the product is less than the number you started with.
- Ⓑ The value has decreased because whenever you multiply a number by a fraction greater than 1, the product is less than the number you started with.
- Ⓒ The value has increased because whenever you multiply a number by a fraction less than 1, the product is greater than the number you started with.
- Ⓓ The value has increased because whenever you multiply a number by a fraction greater than 1, the product is greater than the number you started with.

6. Scott has an aquarium that is in the shape of a rectangular prism. He knows the aquarium has a volume of 192 cubic feet. The height of the aquarium is 4 feet.

What are the possible dimensions for the base of the aquarium?

- Ⓐ length = 6 feet, width = 8 feet
- Ⓑ length = 8 feet, width = 16 feet
- Ⓒ length = 12 feet, width = 12 feet
- Ⓓ length = 12 feet, width = 16 feet

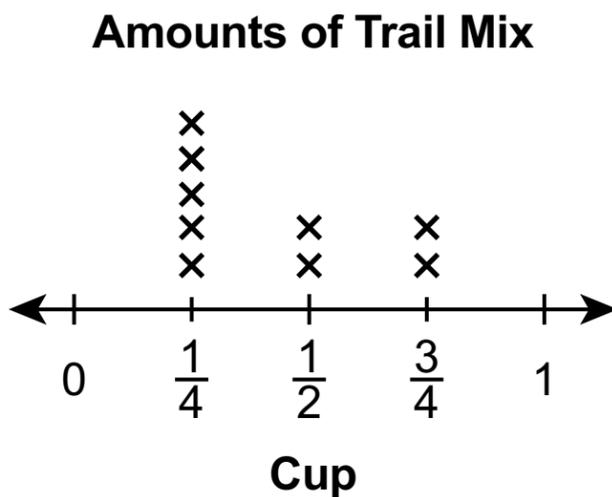
7. Sandra buys stamps that cost \$0.65 each. She spends a total of \$158.60 on the stamps. To determine how many stamps she buys, she needs to divide 158.60 by 0.65.

How many stamps does Sandra buy?

- Ⓐ 204
- Ⓑ 244
- Ⓒ 2,044
- Ⓓ 2,440

**GO ON ►**

8. Elijah ate trail mix nine different times. Each X on the line plot represents an amount that he ate.



How much total trail mix, in cups, did Elijah eat?

- Ⓐ  $\frac{9}{2}$
  - Ⓑ  $\frac{15}{2}$
  - Ⓒ  $\frac{9}{4}$
  - Ⓓ  $\frac{15}{4}$
9. Bella sells jewelry at a market. She cuts out a rectangular piece of wood for a necklace display. The length of the piece of wood is  $\frac{3}{4}$  foot. The width of the piece of wood is  $\frac{1}{3}$  foot. What is the area, in square feet, of the piece of wood Bella cuts out?
- Ⓐ  $\frac{1}{4}$
  - Ⓑ  $\frac{1}{3}$
  - Ⓒ  $1\frac{1}{12}$
  - Ⓓ  $2\frac{1}{6}$

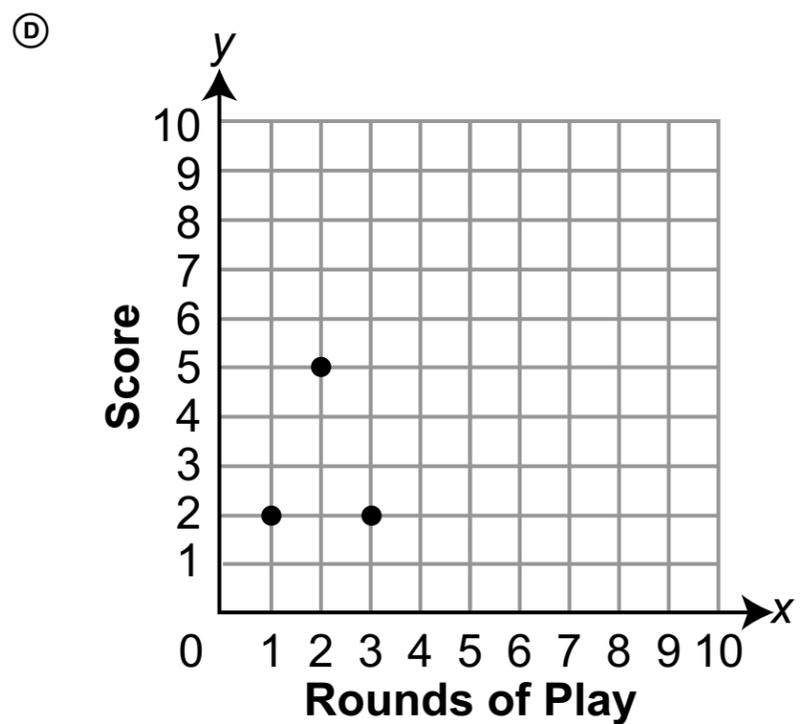
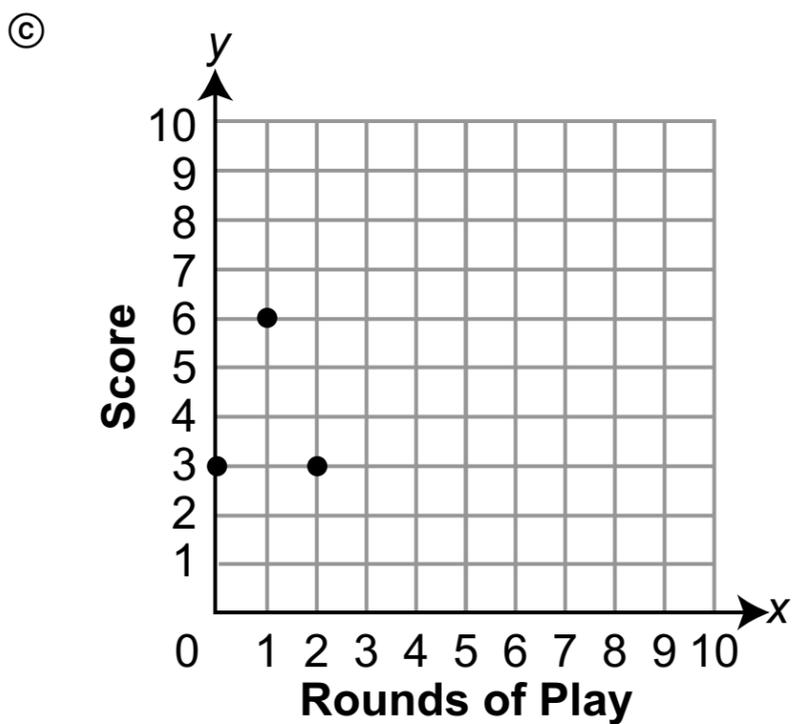
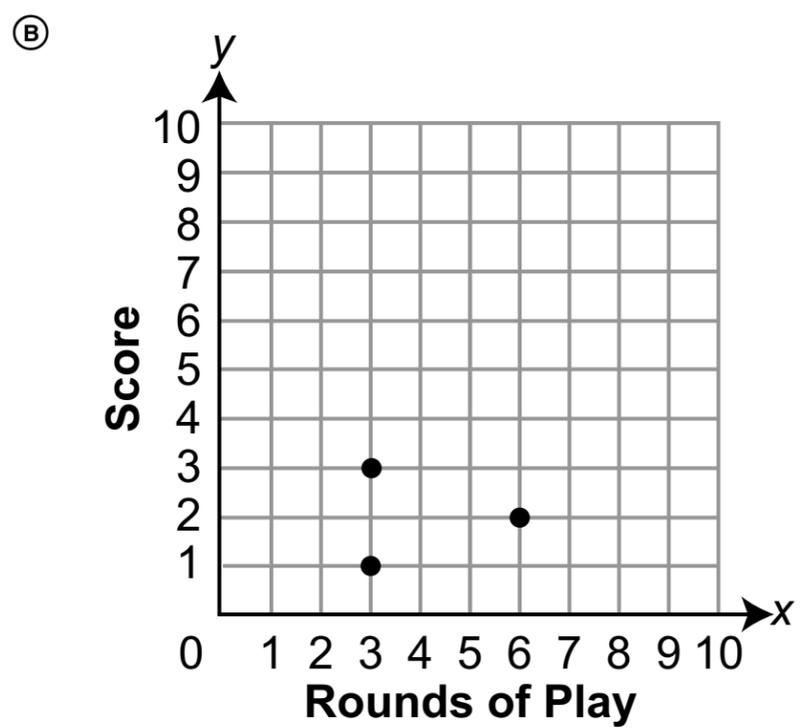
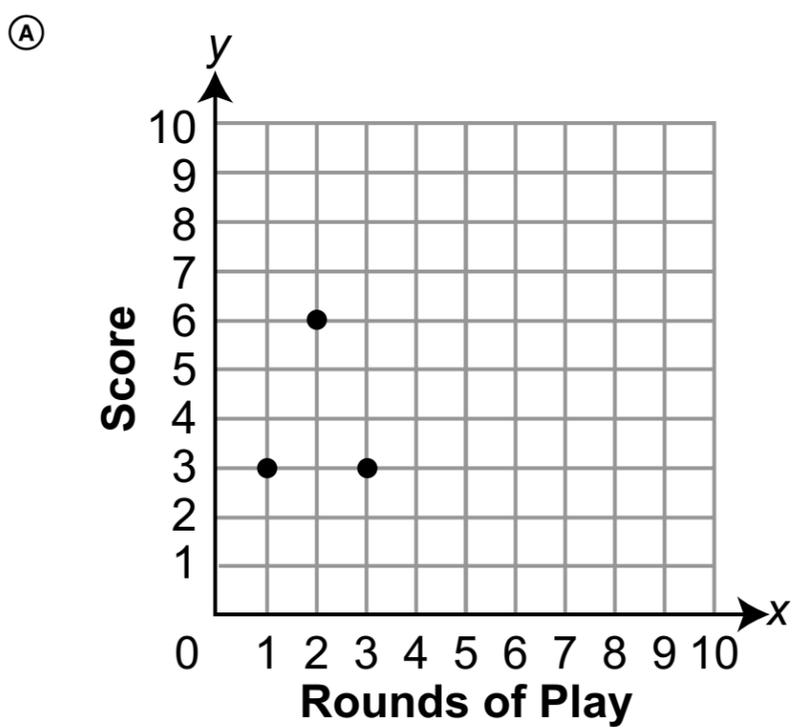
Use the information provided to answer Part A and Part B for question 10.

10. Mia is playing several rounds of a word game. Each coordinate pair shows the number of a round and Mia's score for that round. She is keeping track of these coordinate pairs on a coordinate plane.

- Round 1: (1, 3)
- Round 2: (2, 6)
- Round 3: (3, 3)

**Part A**

Which coordinate plane correctly shows Mia's scores for the first three rounds of play?



**GO ON ►**

**Part B**

In round 4, Mia scores the same number of points as in rounds 2 and 3 combined.

What is the coordinate pair that represents Mia's score for round 4?

- Ⓐ (4, 5)
- Ⓑ (9, 4)
- Ⓒ (5, 4)
- Ⓓ (4, 9)

Use the information provided to answer Part A through Part C for question 11.

11. Katie went to a craft store to purchase the supplies she needed to make two types of jewelry. This table shows the costs of the supplies Katie needed.

**Costs of Supplies**

Item	Cost per Item
bead	\$0.05
charm	\$0.45

This table shows the supplies needed to make each piece of jewelry.

**Supplies Needed**

Type of Jewelry	Beads	Charms
bracelet	25	4
necklace	48	1

Katie purchased the exact amount of supplies to make 1 bracelet and 2 necklaces.

**Part A**

Write an expression to determine the cost of supplies to make 1 bracelet.

Enter your expression in the box provided.

**Part B**

Write an expression to determine the cost of supplies to make 2 necklaces.

Enter your expression in the box provided.

**Part C**

Katie started with \$40. How much did she have left after purchasing the supplies?

Enter your answer in the box provided. Enter **only** your answer.

⊙	⊙	⊙	⊙	⊙	⊙
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 12.

12. There are two tanks at the aquarium, Tank A and Tank B. Each tank has two sections.

**Part A**

The volume of one section of Tank A is 24 cubic feet. The volume of the other section of Tank A is 96 cubic feet.

What is the total volume, in cubic feet, of Tank A?

- Ⓐ 4
- Ⓑ 72
- Ⓒ 120
- Ⓓ 2,304

**Part B**

Tank B has the same volume as Tank A.

The volume of one section of Tank B is 45 cubic feet. What is the volume, in cubic feet, of the other section of Tank B?

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

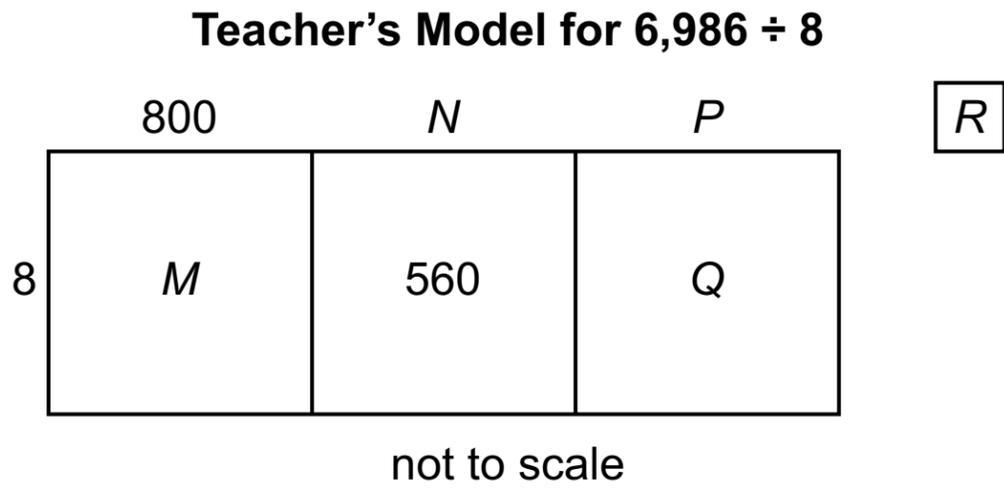
**GO ON ►**

13. Ramon has 2 boxes. He packs the first box with 38 unit cubes. The unit cubes have no gaps or overlaps. Then, he empties that box and uses the same 38 cubes to fill the second box. These unit cubes also have no gaps or overlaps. There are 6 unit cubes left over.

What is the volume, in cubic units, of the second box?

- Ⓐ 6
- Ⓑ 32
- Ⓒ 44
- Ⓓ 228

14. A teacher drew an area model to find the value of  $6,986 \div 8$ .



- Determine the number that each letter in the model represents and explain each of your answers.
- Write the quotient and remainder for  $6,986 \div 8$ .
- Explain how to use multiplication to check that the quotient is correct. You may show your work in your explanation.

Enter your answers and your explanations in the box provided.





## Session 2

### Directions:

Today, you will take Session 2 of the Grade 5 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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6	3	2			
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0	0	0
1	1	1	1	1	1
2	2	<input checked="" type="radio"/>	2	2	2
3	<input checked="" type="radio"/>	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
<input checked="" type="radio"/>	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			
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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	<input checked="" type="radio"/>	5	5	5
6	6	6	6	6	6
7	<input checked="" type="radio"/>	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

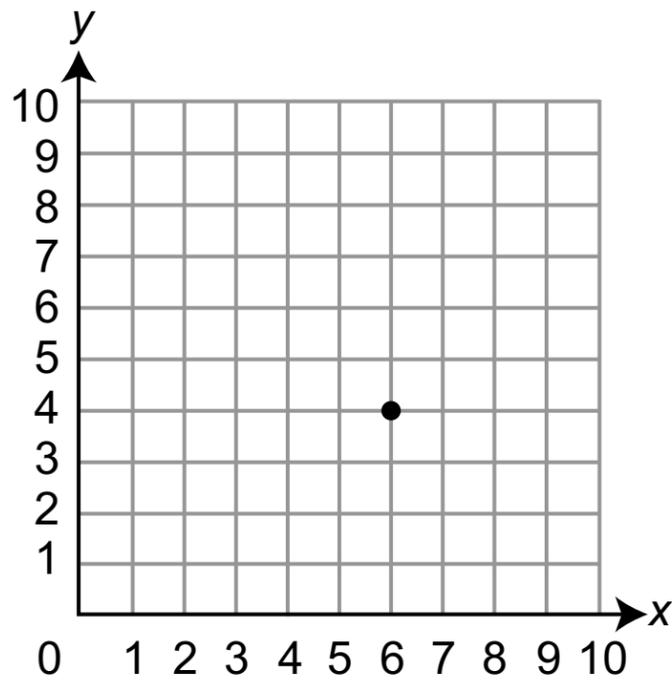
## Mathematics

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15. Which number would be 4.875 when rounded to the nearest thousandth?
- Ⓐ 4.8755
  - Ⓑ 4.8759
  - Ⓒ 4.87409
  - Ⓓ 4.87509
16. Sarah and her dad are moving a pile of bricks from the front of their house to the back. Sarah moves  $\frac{1}{5}$  of the pile. Her dad moves  $\frac{3}{4}$  of the pile. Which expression could be used to find the total fraction of the pile that Sarah and her dad moved together?
- Ⓐ  $\frac{5}{9} + \frac{8}{9}$
  - Ⓑ  $\frac{4}{20} + \frac{15}{20}$
  - Ⓒ  $\frac{1}{9} + \frac{3}{9}$
  - Ⓓ  $\frac{4}{20} + \frac{5}{20}$

**GO ON ►**

17. Select the **three** statements that correctly describe the point plotted on the coordinate plane.



- Ⓐ The point is located at the ordered pair (4, 6).
- Ⓑ The point is located at the ordered pair (6, 4).
- Ⓒ The x-coordinate is 6 and the y-coordinate is 4.
- Ⓓ The x-coordinate is 4 and the y-coordinate is 6.
- Ⓔ The point is 4 units to the right of the origin on the x-axis and 6 units up from the origin on the y-axis.
- Ⓕ The point is 6 units to the right of the origin on the x-axis and 4 units up from the origin on the y-axis.

18. Two number patterns are described below.

- Pattern 1 starts at 4 and follows the rule “Add 5.”
- Pattern 2 starts at 4 and follows the rule “Add 4.”

Which statement about the two number patterns is correct?

- Ⓐ The difference between the corresponding terms in each pattern is always 1.
- Ⓑ The difference between the corresponding terms in each pattern is never less than 1.
- Ⓒ The difference between the corresponding terms in each pattern is always greater than 1.
- Ⓓ The difference between the corresponding terms in each pattern continues to increase by 1.

19. Mika takes the same quiz two days in a row.

- On the first day, she answers  $\frac{3}{5}$  of the questions correctly.
- On the second day, she answers all of the same questions correctly as she did on the first day.
- On the second day, she also correctly answers another  $\frac{1}{12}$  of the questions.

What fraction of the questions on the quiz does Mika answer correctly on the second day?

- Ⓐ  $\frac{4}{17}$
- Ⓑ  $\frac{17}{60}$
- Ⓒ  $\frac{11}{17}$
- Ⓓ  $\frac{41}{60}$

20. Kim stacks 10 pieces of wood to form a rectangular prism. Each piece of wood is 2 inches thick, with a base that is 25 inches long and 8 inches wide. What is the total volume, in cubic inches, of Kim’s rectangular prism?

- Ⓐ 132
- Ⓑ 400
- Ⓒ 1,320
- Ⓓ 4,000

21. The distance from Neptune's north pole to its center is about 24,341 kilometers.

24,341

The value of the underlined 4 is how many times as much as the value of the 4 that is not underlined?

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. A community center has three swimming pools. The water level of each pool is measured at 8:00 p.m. each night. Two of the measurements from Saturday night are shown.

- The water level in the first pool is  $3\frac{5}{12}$  feet deep.
- The water level in the second pool is  $4\frac{3}{8}$  feet deep.

**Part A**

What is the difference in depth, in feet, between the water levels of the second pool and the first pool?

- Ⓐ  $1\frac{1}{4}$
- Ⓑ  $1\frac{1}{6}$
- Ⓒ  $\frac{11}{12}$
- Ⓓ  $\frac{23}{24}$

**Part B**

The water level in the third pool is  $2\frac{3}{4}$  feet deeper than the second pool.

What is the total depth, in feet, of the water level in the third pool?

- Ⓐ  $6\frac{3}{8}$
- Ⓑ  $6\frac{1}{2}$
- Ⓒ  $7\frac{1}{8}$
- Ⓓ  $7\frac{3}{4}$

**GO ON ►**

23. Leah incorrectly added the fractions  $\frac{2}{3}$ ,  $\frac{1}{2}$ , and  $\frac{5}{12}$ . She said that to add fractions with different denominators, you use the common denominator and add the numerators. Leah's work is shown.

$$\frac{2}{3} + \frac{1}{2} + \frac{5}{12}$$

$$\frac{2 + 1 + 5}{12}$$

$$\frac{8}{12}$$

- What is Leah's mistake?
- Find the correct value of  $\frac{2}{3} + \frac{1}{2} + \frac{5}{12}$ .
- Show your work or explain your answer.

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

## Mathematics

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24. Emily completely fills a container with 6 cubes. Each cube has an edge length of 3 centimeters. The container is in the shape of a right rectangular prism. What is the volume of the container in cubic centimeters?

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 ►**

25. Kari’s grandmother has  $\frac{1}{6}$  pound of silver coins. She divides the coins evenly, by weight, among her 4 grandchildren, including Kari. What fraction of a pound of silver coins does Kari receive?

(A)  $\frac{1}{24}$

(B)  $\frac{1}{10}$

(C)  $\frac{1}{2}$

(D)  $\frac{2}{3}$

26. What is  $0.75 \times 6.5$ ?

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 27.

27. Tom has a water tank that holds 5 gallons of water.

**Part A**

Tom uses water from a full tank to fill 6 bottles that each hold 16 ounces and a pitcher that holds  $\frac{1}{2}$  gallon.

How many ounces of water are left in the water tank?

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

**Part B**

Tom drinks 4 pints of water a day.

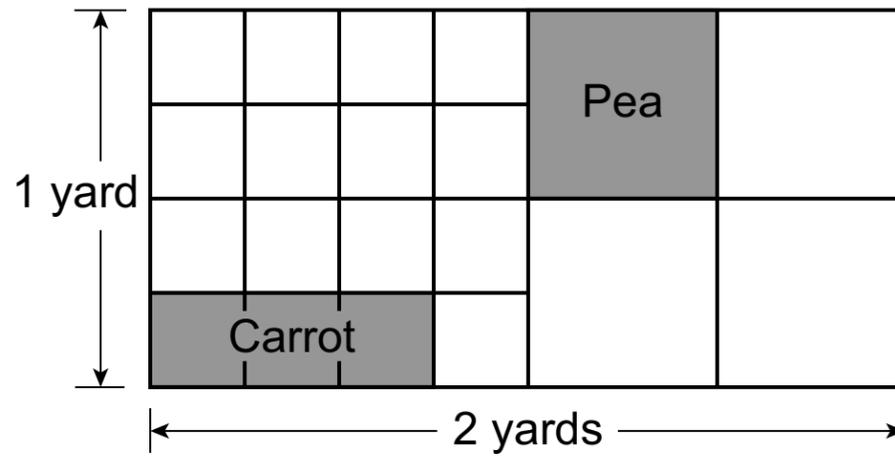
How many full tanks of water will he drink in 30 days?

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 ►**

28. Joshua planted carrots and peas in his garden.



Use the model to write and solve an equation that shows how much larger in square yards the pea section of the garden is than the carrot section of the garden.

Enter your equation and your solution in the box provided.



## Session 3

### Directions:

Today, you will take Session 3 of the Grade 5 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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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.
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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. What is 75.32 rounded to the nearest tenth?

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

30. What fraction completes the equation?

$$\frac{4}{5} - \frac{1}{8} = n$$

(A)  $\frac{3}{40}$

(B)  $\frac{3}{13}$

(C)  $\frac{27}{40}$

(D)  $\frac{6}{13}$

31. Solve.

$$\frac{5}{6} \times \frac{9}{10} =$$

- Ⓐ  $\frac{14}{16}$
- Ⓑ  $\frac{15}{30}$
- Ⓒ  $\frac{45}{60}$
- Ⓓ  $\frac{50}{54}$

32. Jake has 2 containers of liquid soap that are the same size. He wants to pour all the liquid soap from one container into the other. One container is  $\frac{5}{8}$  full. The other container is  $\frac{3}{5}$  full. Which statement best explains whether all the liquid soap will fit into one container?

- Ⓐ All the soap will fit into one container because  $\frac{5}{8} + \frac{3}{5} = \frac{8}{13}$ , which is less than 1.
- Ⓑ All the soap will fit into one container because  $\frac{5}{8} + \frac{3}{5} = \frac{8}{40}$ , which is less than 1.
- Ⓒ All the soap will not fit into one container because one of the containers is more than half full and the other is almost half full.
- Ⓓ All the soap will not fit into one container because each container is more than half full.

33. Maria has a pile of wooden cubes. Each edge of each cube is 1 unit long.

Which statement about Maria's cubes is correct?

- Ⓐ Each of Maria's cubes is a unit cube.
- Ⓑ Each of Maria's cubes has a volume of 6 cubic units.
- Ⓒ Maria can use her cubes to measure the area of a plane figure in cubic units.
- Ⓓ A rectangular prism in which 8 of Maria's cubes fit perfectly has a volume of 48.

34. Eloise bought 30 pounds of sand to refill 4 sandboxes at a local park. She is going to put the same amount of sand in each sandbox. Which statement about this situation is true?

- Ⓐ The fraction  $\frac{30}{4}$  represents the amount of sand, in pounds, Eloise should put in each sandbox.
- Ⓑ Each sandbox should get a whole number of pounds of sand and Eloise will have no sand left over.
- Ⓒ Eloise cannot evenly divide 30 pounds of sand into 4 sandboxes because 30 is not a multiple of 4.
- Ⓓ The product of  $\frac{1}{30} \times 4$  is equal to the amount of sand, in pounds, Eloise should put in each sandbox.

35. Emilio is tiling a countertop with square tiles. Each tile covers 64 square inches. The total area of the countertop is 5,184 square inches. What is the minimum number of tiles Emilio will need to tile the entire countertop?

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

36. Which statement correctly compares two values?
- Ⓐ The value of the 6 in 26.495 is  $\frac{1}{10}$  the value of the 6 in 17.64.
  - Ⓑ The value of the 6 in 26.495 is 10 times the value of the 6 in 17.64.
  - Ⓒ The value of the 6 in 26.495 is  $\frac{1}{100}$  the value of the 6 in 17.64.
  - Ⓓ The value of the 6 in 26.495 is 100 times the value of the 6 in 17.64.

37. Two expressions are shown.

Expression A:  $6 \times 10^2$

Expression B:  $6 \times 10^8$

Each expression can be written in standard form.

Which statement best explains how the expressions are different when they are written in standard form?

- Ⓐ Expression A has 4 more zeroes than Expression B.
- Ⓑ Expression A has 6 more zeroes than Expression B.
- Ⓒ Expression B has 4 more zeroes than Expression A.
- Ⓓ Expression B has 6 more zeroes than Expression A.

38. Jose buys 8 packages of cheese. Each package weighs  $\frac{3}{4}$  pound. What is the total weight, in pounds, of the 8 packages of cheese?

- Ⓐ  $1\frac{1}{2}$
- Ⓑ  $2\frac{3}{4}$
- Ⓒ 6
- Ⓓ 7

39. Which expression matches the statement “the sum of 2 and 4 subtracted from 9”?

- Ⓐ  $2 + 9 - 4$
- Ⓑ  $9 - 2 + 4$
- Ⓒ  $9 - (2 + 4)$
- Ⓓ  $(2 + 4) - 9$

40. Which statement is true?

- Ⓐ All squares are parallelograms.
- Ⓑ All parallelograms are squares.
- Ⓒ All rhombuses are rectangles.
- Ⓓ All rectangles are rhombuses.

## Mathematics

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41. Greg is volunteering at a track meet. He is in charge of providing the bottled water. Greg knows these facts:
- The track meet will last 3 days.
  - There will be 117 athletes, 7 coaches, and 4 judges attending the track meet.
  - One case of bottled water contains 24 bottles.

The table shows the number of bottles of water each athlete, coach, and judge will get for each day of the track meet.

**Bottled Water for Track Meet**

<b>Person Attending</b>	<b>Number of Bottles</b>
Athlete	4
Coach	3
Judge	2

**GO ON ►**

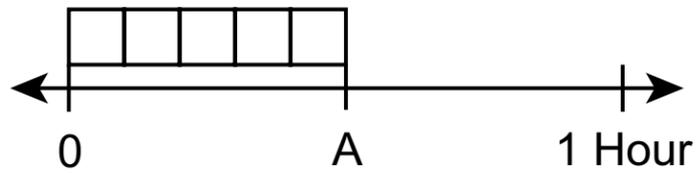
What is the **fewest** number of cases of bottled water Greg will need to provide for all the athletes, coaches, and judges at the track meet? Show your work or explain how you found your answer using equations.

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

## Mathematics

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42. Cora has  $\frac{1}{2}$  hour to do 5 chores. She plans to spend the same fraction of an hour on each chore. She wants to use the number line to help her determine what fraction of an hour she can spend on each chore.



- What is the correct number label for point A?
- Explain how to use this number line to help Cora solve her problem.
- What fraction of an hour will she spend on each chore?

Enter your answers and your explanation 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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**LEAP**