Ohio | Department of Education

Ohio's State Tests

PRACTICE TEST

GRADE 5 MATHEMATICS

Student Name _____

Ohio's State Tests Reference Sheet
Grade 5

1 mile = 5,280 feet

1 yard = 3 feet

1 yard = 36 inches

1 foot = 12 inches

1 pound = 16 ounces

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 kilometer = 1,000 meters

1 meter = 100 centimeters

1 centimeter = 10 millimeters

1 kilogram = 1,000 grams

1 liter = 1,000 milliliters

1 hour = 60 minutes

1 minute = 60 seconds

kilo-	hecto-	deca-	**Metric Unit** ➢ grams ➢ liters ➢ meters	Decimal point	deci-	centi-	milli-
1000	100	10	1	.	0.1 or $\frac{1}{10}$	0.01 or $\frac{1}{100}$	0.001 or $\frac{1}{1000}$

Directions for Completing the Response Grids

1. Work the problem, and find an answer.

2. Write your answer in the answer boxes at the top of the grid in the **Answer Document**.

    - Write only one digit or symbol in each answer box.

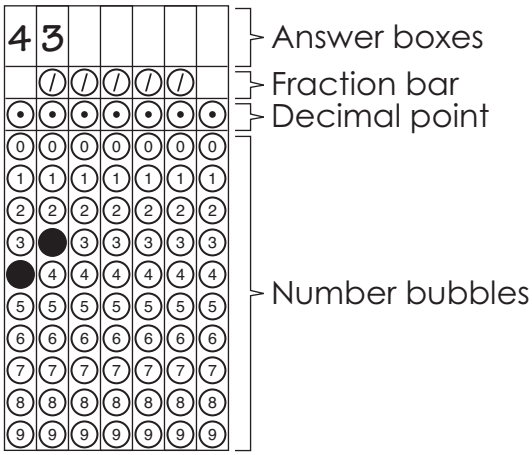
    - Be sure to write a decimal point or fraction bar in the answer box if it is a part of the answer.

3. Fill in a bubble under each box in which you wrote your answer in the **Answer Document**.

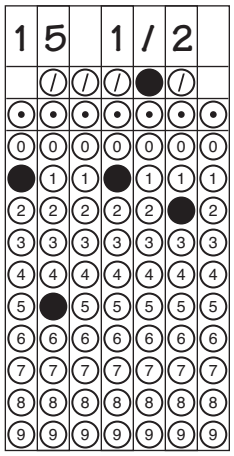
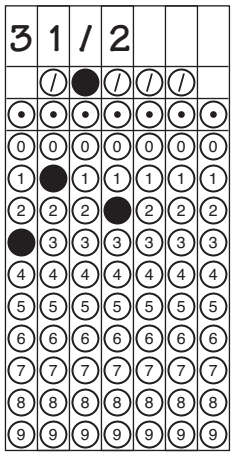
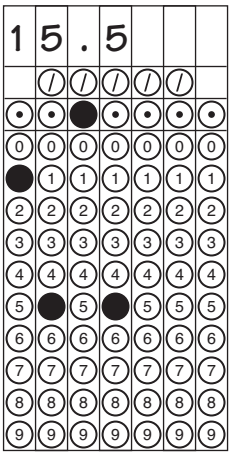
    - Fill in one and ONLY one bubble for each answer box. Do NOT fill in a bubble under an unused answer box.

    - Fill in each bubble by making a solid mark that completely fills the circle.

    - You MUST fill in the bubbles accurately to receive credit for your answer.



You can record a mixed number in several different ways. You can write it as:

a. A whole number and a fraction (15 1/2). Be sure to include a space between the whole number and the fraction.	b. An equivalent fraction (31/2)	c. An equivalent decimal (15.5)
		

Directions:

Today you will be taking the Ohio Grade 5 Mathematics Practice Assessment.

There are several important things to remember:

1. Read each question carefully. Think about what is being asked. Look carefully at graphs or diagrams because they will help you understand the question. Then, choose or write the answer you think is best in your Answer Document.

2. Use only a #2 pencil to answer questions on this test.

3. For questions with bubbled responses, choose the correct answer and then fill in the circle with the appropriate letter in your Answer Document. Make sure the number of the question in this Student Test Booklet matches the number in your Answer Document. If you change your answer, make sure you erase your old answer completely. Do not cross out or make any marks on the other choices.

4. For questions with response boxes, write your answer neatly, clearly and only in the space provided in your Answer Document. Any responses written in your Student Test Booklet will not be scored. Make sure the number of the question in this Student Test Booklet matches the number in your Answer Document.

5. If you do not know the answer to a question, skip it and go on to the next question. If you have time, go back to the questions you skipped and try to answer them before turning in your Student Test Booklet and Answer Document.

6. Check over your work when you are finished.

1.

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2.

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3. A school raised $4,589 in a magazine sale. Mr. Simmon's class raised $\frac{1}{100}$ of the school's total.

   How much money, in dollars, did Mr. Simmon's class raise?

   Complete the response grid in the **Answer Document**.

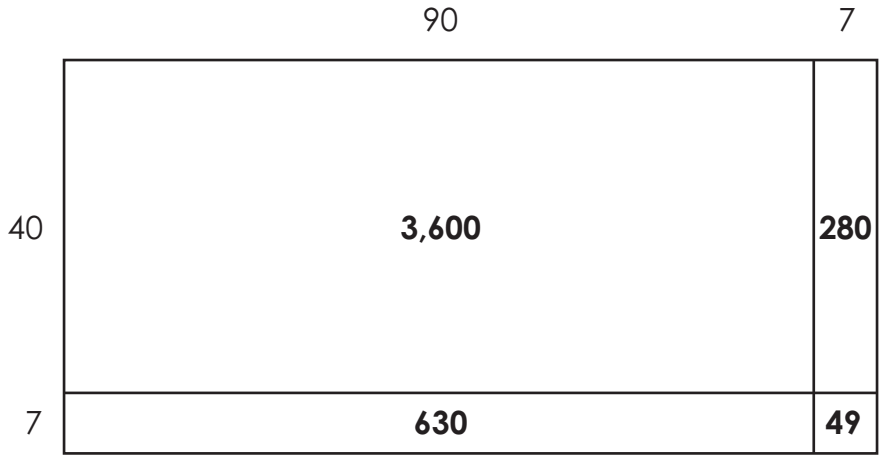
4. Kylie walked at the park two days this week.

   - On Monday, she walked $1\frac{3}{5}$ miles.
   - On Tuesday, she walked $1\frac{3}{4}$ miles.

   What is the total distance, in miles, that Kylie walked at the park this week?

   Complete the response grid in the **Answer Document**.

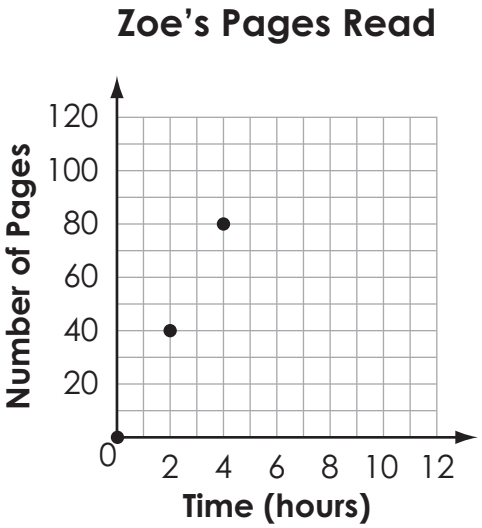
5. An area model is shown.



   Which division problem can be solved using the area model?

   A. 3,600 ÷ 47
   B. 3,600 ÷ 49
   C. 3,649 ÷ 97
   D. 4,559 ÷ 97

6. Zoe is reading books for a reading contest at her school. She reads the same number of pages each hour. She stops two times to record how many pages she has read. Her data are shown in the graph.



How long, in hours, does it take Zoe to read 60 pages?

Complete the response grid in the **Answer Document**.

7. In the **Answer Document**, select the **two** expressions that have a value greater than $\frac{107}{103}$.

   A. $\frac{107}{103} \times \frac{101}{100}$

   B. $\frac{107}{103} \times \frac{103}{107}$

   C. $\frac{107}{103} \times \frac{107}{103}$

   D. $\frac{107}{103} \times \frac{107}{123}$

   E. $\frac{107}{103} \times \frac{119}{123}$

8. What is the product of 653 and 87?

   Complete the response grid in the **Answer Document**.

9. In the **Answer Document**, select the **two** expressions that have a value greater than 253.

   A. $253 \times \frac{3}{4}$

   B. $253 \times \frac{5}{5}$

   C. $253 \times \frac{9}{2}$

   D. $253 \times \frac{6}{7}$

   E. $253 \times \frac{4}{1}$

10. The expanded form of a number is given.

$(6 \times 10{,}000) + (5 \times 1{,}000) + (7 \times 1) + (3 \times \frac{1}{100})$

What is the number in decimal form?

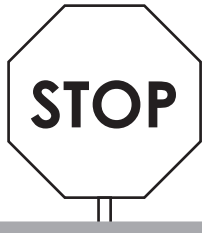
Complete the response grid in the **Answer Document**.

11. The picture shows $\frac{3}{8}$ of Puja's penny collection.

A. What fraction of her collection is 6 pennies?

B. What fraction of her collection is 21 pennies?

Complete the response grids in the **Answer Document**.



Do not go on

Do not go on

1. An expression with a missing operation symbol is shown.

   $18 \div (6 \square 3)$

   Which operation symbol should be placed in the box to make the expression have the smallest value?

   A. +

   B. –

   C. ×

   D. ÷

2.

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3. In the **Answer Document**, select the **two** decimal numbers that round to 3 when rounded to the nearest whole number.

   A. 2.74

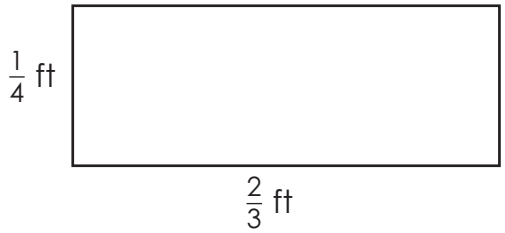
   B. 2.06

   C. 2.48

   D. 3.61

   E. 3.19

4. A rectangle is shown.



   What is a possible side length of a unit square that could be used to tile the rectangle?

   A. $\frac{1}{3}$ ft

   B. $\frac{1}{4}$ ft

   C. $\frac{1}{6}$ ft

   D. $\frac{1}{12}$ ft

5.

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6. An expression is given.

   $1\frac{7}{8} - \frac{6}{4}$

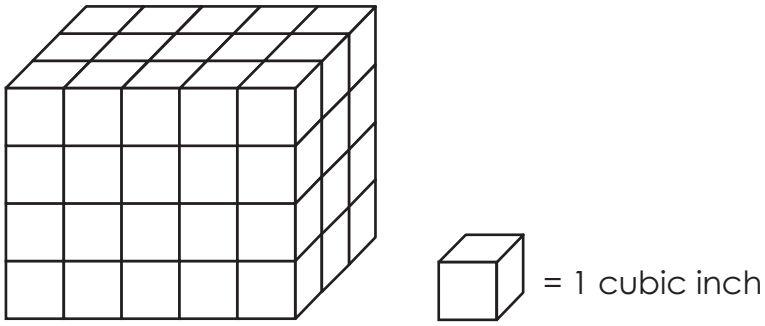
   What is the value of the expression?

   Complete the response grid in the **Answer Document**.

7. What is 3.47×10^4?

   Complete the response grid in the **Answer Document**.

8. A rectangular prism is shown.



What is the volume, in cubic inches, of the prism?

A. 27 cubic inches

B. 60 cubic inches

C. 64 cubic inches

D. 125 cubic inches

9. Val has 6 yards of fabric. She uses $\frac{1}{3}$ of it to make a shirt. Then, she uses $\frac{3}{8}$ of the fabric that is left to make a shirt for her younger sister.

How many yards of fabric does Val have left after making both shirts?

Complete the response grid in the **Answer Document**.

10. What is the value of $13 \div \frac{1}{5}$?

Complete the response grid in the **Answer Document**.

11.

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12.

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13.

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