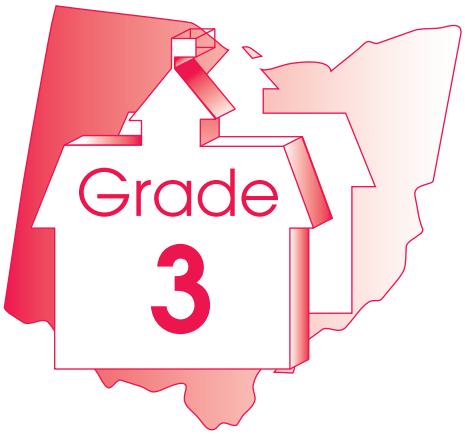
Ohio Department of Education

Student Name: _____

Ohio Achievement Assessments



Mathematics
Student Test Booklet

Large Print
Spring 2011

This test was originally administered to students in Spring 2011.

Not all items from the Spring 2011 administration will be released in this document. According to Ohio Revised Code (ORC) 3301.07.11:4(b) . . . not less than forty percent of the questions on the test that are used to compute a student's score shall be a public record. The department (of education) shall determine which questions will be needed for reuse on a future test and those questions shall not be public records and shall be redacted from the test prior to its release as public record.

This publicly released material is appropriate for use by Ohio teachers in instructional settings. This test is aligned with Ohio's Academic Content Standards for Mathematics.

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Directions:

Today you will be taking the Ohio Grade 3 Mathematics Achievement Assessment. The test consists of questions about numbers, measurement, shapes, graphs, and patterns. Three different types of questions appear on this test: multiple choice, short answer and extended response.

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.

2. Use only a #2 pencil to answer questions on this test. You may use a ruler on this test.

3. For multiple-choice questions, fill in the circle next to your answer choice. Mark only one answer for each question. 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 constructed-response questions, write your answer neatly, clearly and only in the space provided. Answers written outside of the space provided will not be scored.

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.

6. Check over your work when you are finished.

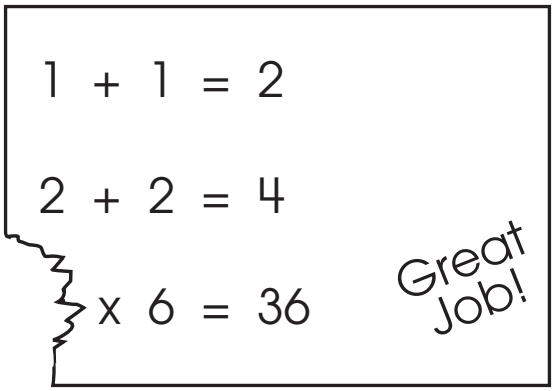
M Mathematics

Directions: Carefully read each question. Fill in the circle next to the correct answer.

Item 1 has not been slated for public release in 2011.

Go to the next page

2. Pat's teacher handed back worksheets to the class. The corner of Pat's worksheet was ripped as shown.



Which number would make the last number sentence correct?

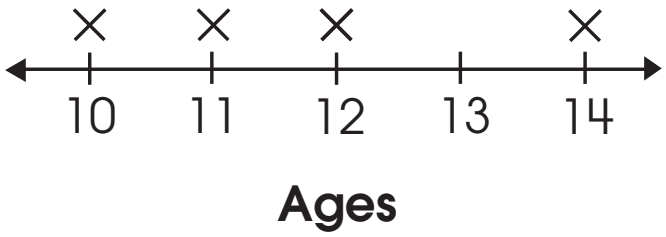
- ○ A. 4
- ○ B. 5
- ○ C. 6

3. Roger wrote down the ages of the children on the bus, as shown.

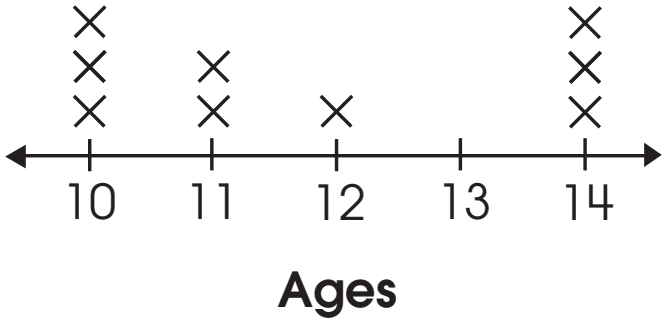
	Ages
	12
	14
	10
	14
	11
	10
	14
	10
	11

Which line plot correctly shows the ages of the children on the bus?

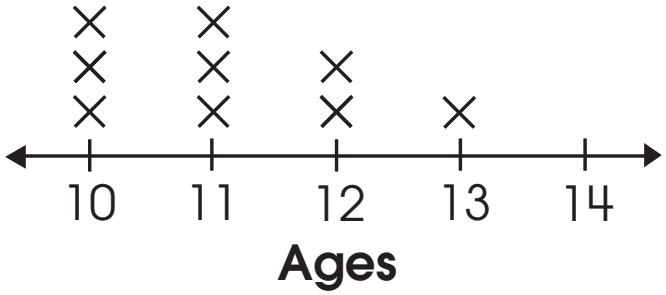
○ A.



○ B.

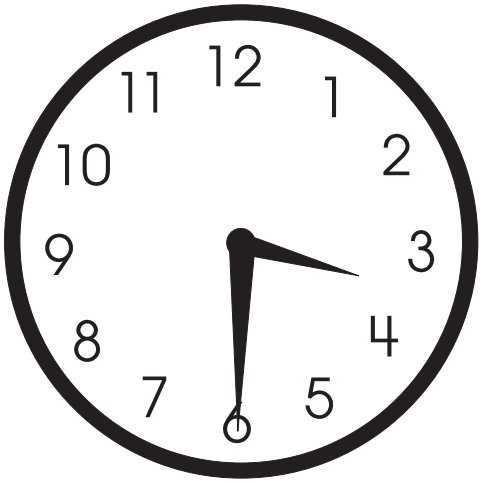


○ C.



M Mathematics

Directions: Use the clock below to answer question 4.



4. The school bus will pick up the children in 45 minutes. What time will it be?

- ○ A. 3:15
- ○ B. 3:45
- ○ C. 4:15

5. Sandy is choosing a dress and a pair of shoes to wear. She has a red dress, a yellow dress and a green dress. She also has black shoes and white shoes.

Use pictures or words to list all the ways Sandy can combine a dress and a pair of shoes.

6. Alex had 32 sheets of paper in her notebook. After 1 day, she had 28 sheets. After 2 days, she had 24 sheets, and after 3 days, she had 20 sheets.

How many sheets did she use each day?

○ A. 4 sheets

○ B. 6 sheets

○ C. 12 sheets

Items 7–8 have not been slated for public release in 2011.

9. Alex surveyed his classmates to see how each of them travels to school in the morning. He listed his data.

walk, bus, walk, bus, bus, car, car, bus, walk, car

What is the mode of the data?

○ A. bus

○ B. car

○ C. walk

Items 10–11 have not been slated for public release in 2011.

On the Spring 2011 Grade 3 Mathematics Achievement Assessment, items 12–17 are field-test items, which are not released.

18. Which is equal to 40 + 5?

- ○ A. 9×5
- ○ B. 49 – 6
- ○ C. 28 + 25

19. What is the next number in this pattern?

8, 16, 24, 32, ___?___

- ○ A. 8
- ○ B. 36
- ○ C. 40

20. Draw an angle that is smaller than a right angle.

Explain how you know the angle you drew is smaller than a right angle.

Item 21 has not been slated for public release in 2011.

22. Mr. Parks has 5 bags of oranges. Each bag has 15 oranges.

Which number sentence shows the total number of oranges Mr. Parks has?

○ A. $15 \times 5 = 75$

○ B. $15 + 5 = 20$

○ C. $15 \div 5 = 3$

Item 23 has not been slated for public release in 2011.

24. Calendars for January and February are shown.

January

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

Nick's first race was on January 24. His second race was on February 21.

How many weeks after Nick's first race was his second race?

- ○ A. 3 weeks
- ○ B. 4 weeks
- ○ C. 28 weeks

Items 25–26 have not been slated for public release in 2011.

27. This graph shows the number of items sold at the bake sale.

How many cupcakes were sold at the bake sale?

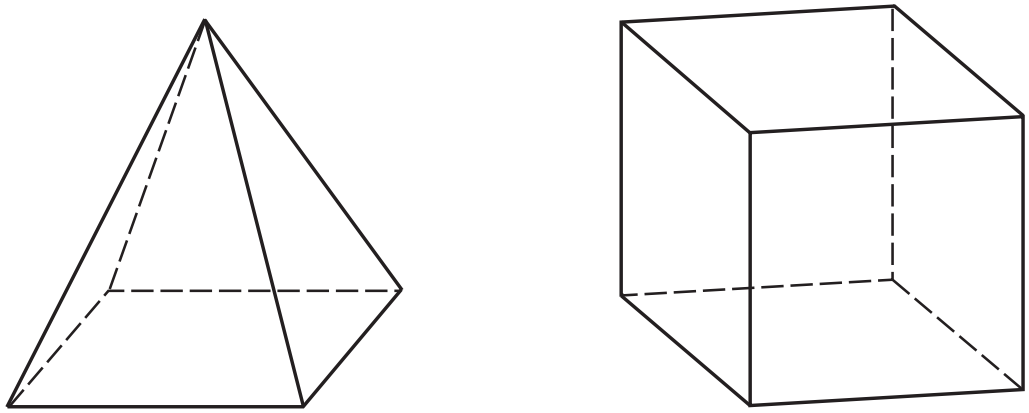
○ A. 15

○ B. 25

○ C. 35

Items 28–30 have not been slated for public release in 2011.

31. A pyramid and a cube are shown.



Which statement is true about the two objects?

○ A. All faces on each object are the same shape.

○ B. The pyramid has more vertices than the cube.

○ C. The cube has more faces than the pyramid.

Items 32–40 have not been slated for public release in 2011.

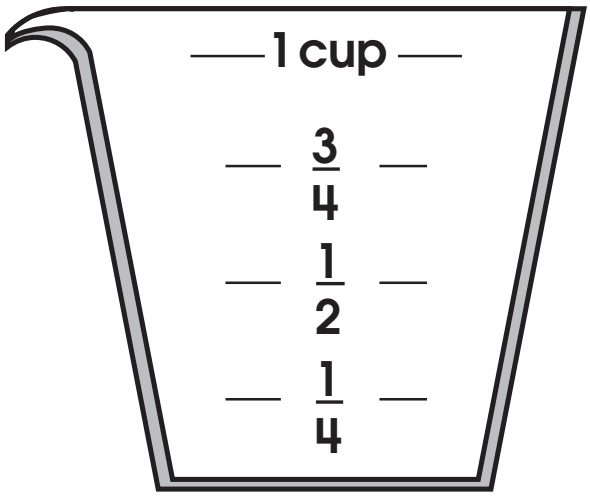
41. Which number shows two and three tenths?

○ A. 230

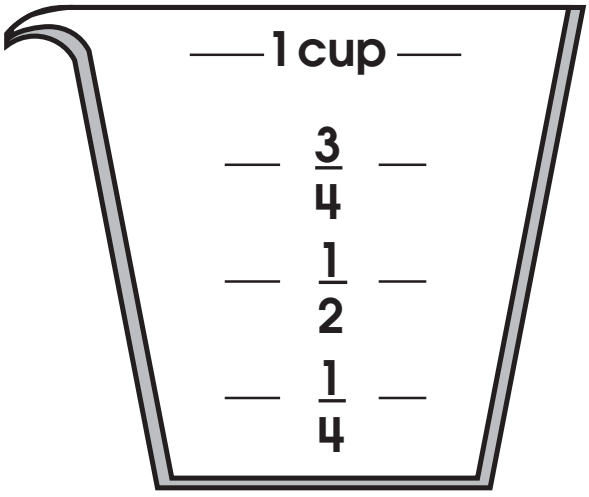
○ B. $2\frac{3}{10}$

○ C. $2\frac{3}{100}$

42. Nico wants to measure exactly $\frac{1}{2}$ cup of water and $\frac{3}{4}$ cup of milk. Shade in the part of each measuring cup that the water and milk should fill.



Water



Milk

Will Nico have more water or more milk? _____

43. Which number makes this number sentence true?

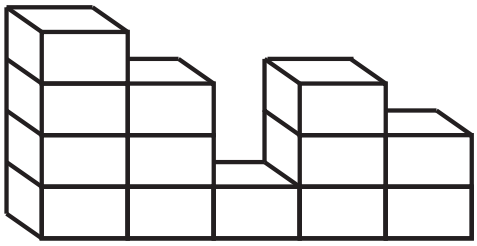
$$53 + \boxed{\ ?\ } = 87$$

○ A. 24

○ B. 34

○ C. 140

44. Mr. Miller is building a wall that is 5 blocks long, as shown.



He wants the entire wall to be exactly 4 blocks high.

How many more blocks does he need to finish the wall?

○ A. 3

○ B. 4

○ C. 7

45. Which set of numbers is in order from least to greatest?

○ A. 191 915 109

○ B. 291 357 195

○ C. 621 753 848

Item 46 has not been slated for public release in 2011.

M