

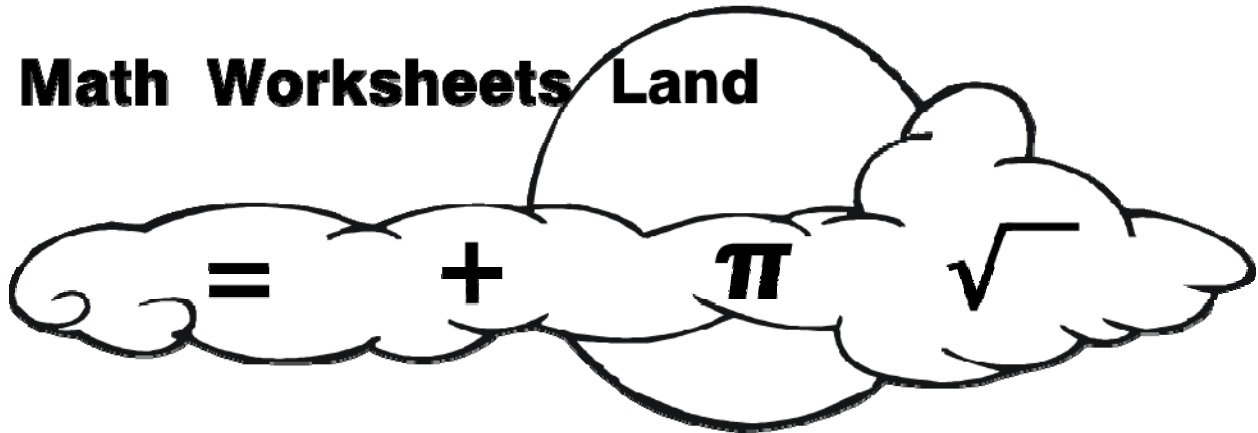
Name \_\_\_\_\_

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## Grade 4 Level

### Math Common Core Sampler Test

# Math Worksheets Land



This test sample is made to be used give students and teachers a basic overview of key Grade 4 Common Core grade level work. All questions are aligned to the Common Core Curriculum. For a full breakdown of each Core Standard in test form please check:

Grade 4 Core Math Tests:

<http://www.mathworksheetsland.com/tests/grade4.html>

For Full Worksheets, Quizzes, and Homework Samples:

<http://www.mathworksheetsland.com/4/>



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1. How many pairs of parallel lines form a rectangle?



- a) one
- b) two
- c) three
- d) four

2. Which number is NOT a multiple of 8?

- a) 4
- b) 8
- c) 16
- d) 24

3. Which fraction is equivalent to  $\frac{3}{8}$ ?

- a)  $\frac{1}{4}$
- b)  $\frac{6}{16}$
- c)  $\frac{9}{14}$
- d)  $\frac{13}{18}$



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4. In order to finish a recipe for chocolate-covered cake, Misty needs  $\frac{2}{8}$  cup of milk and  $\frac{4}{8}$  cup of flour. What is the combined total of milk and flour Misty needs to make her cake?

a)  $\frac{2}{8}$  cup

b)  $\frac{4}{8}$  cup

c)  $\frac{6}{8}$  cup

d)  $\frac{8}{8}$  cup



5. Which number shown below has a 5 in the tens place?

a) 5,610

b) 4,875

c) 9,513

d) 2,457

6. Daniel ran a marathon (26.1 miles) in three hours and thirty minutes. How many minutes did it take him to run the marathon?

a) 30 minutes

b) 90 minutes

c) 210 minutes

d) 330 minutes

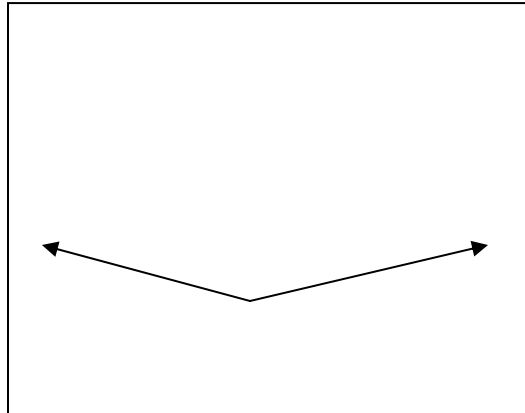


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7. What is a possible measurement of the angle shown below?

- a)  $45^\circ$
- b)  $90^\circ$
- c)  $120^\circ$
- d)  $160^\circ$



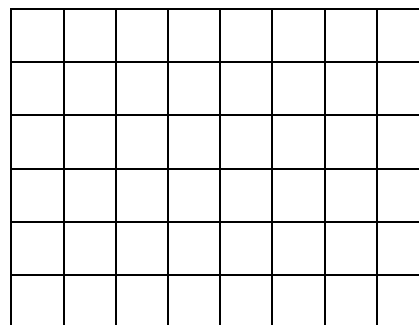
8. What is the proper symbol to complete the number sentence shown below?

$$0.361 \quad \underline{\hspace{1cm}} \quad 0.367$$

- a)  $<$
- b)  $>$
- c)  $=$
- d)  $\approx$

9. Kelly wants to replace the floor in her bathroom. The area of the bathroom floor is 48 square feet. If the marble tile she wants costs \$4.50 per square foot, how much money will Kelly spend to replace her bathroom floor?

8 feet



- a) \$52.50
- b) \$216.00
- c) \$230.50
- d) \$432.00



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10. 550 visitors paid for admission to Hope State Park during one week. Of those 550 visitors,  $\frac{3}{5}$  of them purchased guide books. How many visitors purchased guide books?

- a) 330
- b) 350
- c) 425
- d) 500



11. The table below shows the factor pairs for 36.

Factor Pairs of 36
$1 \times 36$
$2 \times 18$
$4 \times 9$
$6 \times 6$

Which factor pair should be added to the table?

- a)  $3 \times 33$
- b)  $8 \times 4$
- c)  $11 \times 22$
- d)  $12 \times 3$



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12. What is the sum of 34,564 and 65,895?

- a) 31,331
- b) 90,469
- c) 100,459
- d) 110,399

13. Look at the numbers in the sequence below:

13, 26, 39, 52, 65, 78, ...

Based on the pattern, the next number in the sequence will be —

- a) odd
- b) even
- c) prime
- d) unknown

14. Find the product.

$\begin{array}{r} 56 \\ \times 41 \\ \hline \end{array}$
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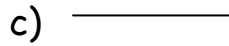
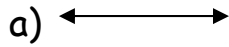
- a) 97
- b) 280
- c) 2060
- d) 2296



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15. Which of the following represents a ray?



16. Look at the figure below.



How many lines of symmetry does the figure have? \_\_\_\_\_



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**Refer to the statement below for numbers 17 and 18.**

Peter wants to purchase 3 boxes of cereal. 7 boxes of cereal costs \$21.00. He writes the following equation to find out the price per box of cereal:

$$21 \div 7 = b$$

17. What is the value of  $b$  in the equation for the price of cereal per box?? Write your answer in the box.

18. How much will Peter have to pay to buy 3 boxes of cereal? Write your answer in the box.





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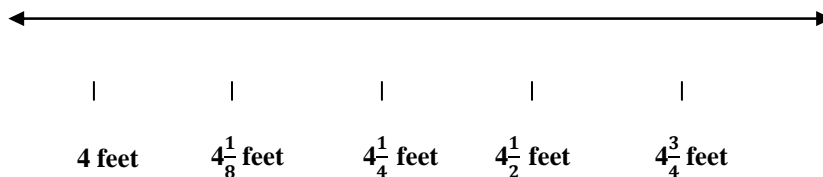
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The chart below shows the height of 15 students in a classroom.  
Refer to the chart for numbers 19 and 20.

Height of students (in feet)

4 feet	$4\frac{1}{2}$ feet	$4\frac{1}{2}$ feet	$4\frac{1}{4}$ feet	$4\frac{3}{4}$ feet
$4\frac{1}{8}$ feet	$4\frac{1}{2}$ feet	4 feet	$4\frac{3}{4}$ feet	$4\frac{1}{8}$ feet
$4\frac{1}{2}$ feet	$4\frac{3}{4}$ feet	$4\frac{1}{2}$ feet	$4\frac{1}{4}$ feet	4 feet

19. Use the data from the chart to fill in the line plot below.



20. Based on your line plot, what is the difference in height between the tallest group of students and the shortest group of students?  
Record your answer in the box.



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### Bubble Sheet for Questions 1 - 15

1. (a) (b) (c) (d)

9. (a) (b) (c) (d)

2. (a) (b) (c) (d)

10. (a) (b) (c) (d)

3. (a) (b) (c) (d)

11. (a) (b) (c) (d)

4. (a) (b) (c) (d)

12. (a) (b) (c) (d)

5. (a) (b) (c) (d)

13. (a) (b) (c) (d)

6. (a) (b) (c) (d)

14. (a) (b) (c) (d)

7. (a) (b) (c) (d)

15. (a) (b) (c) (d)

8. (a) (b) (c) (d)



### Answer Guide

1. (b) **The opposite sides of a rectangle are parallel.** Therefore, a rectangle has 2 pairs of parallel lines.
2. (a) A multiple results from multiplying a number by an integer. **The number 4 is not a result of multiplying 8 by an integer.**
3. (b) Multiplying the numerator and denominator of  $\frac{3}{8}$  by 2 shows that  $\frac{6}{16}$  represents the same value as the original fraction even though the digits are different.
4. (c) Add the numerators of  $\frac{2}{8}$  and  $\frac{4}{8}$  and the denominator stays the same.  $\frac{2+4}{8} = \frac{6}{8}$
5. (d) 2,457 shows the 5 in the tens place based on place value.
6. (c) One hour equals 60 minutes. Multiply 60 by 3 to find how many minutes are in 3 hours. Add the product to 30.  $60 \times 3 = 180 + 30 = 210$ .
7. (d) **The angle appears closest to a straight line, which is  $180^\circ$ .** Therefore, the closest possible measurement is  $160^\circ$ .
8. (a) Since the 1 in 0.361 is less than the 7 in 0.367, 0.361 is less than 0.367 and the appropriate symbol is  $<$ .
9. (b) Multiply 48 by \$4.50 to find out how much Kelly will spend on her bathroom floor.  $48 \times 4.50 = \$216$ .
10. (a) Divide 550 by 5 and then multiply by 3 in order to find the number of visitors who purchased guide books.  $550 \div 5 = 110 \times 3 = 330$ .
11. (d) Factor pairs are two numbers you can multiply to get a product. Here, the factors must equal the product 36.  $12 \times 3 = 36$ .



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12. (c) **The sum of 34,564 and 65,895 is 100,459.** Remember to regroup between place values where necessary.
13. (a) The pattern in the sequence shows adding by 13. Adding 13 to 78 equals **91 which is an odd number.**
14. (d) **The product of 56 and 41 is 2296.** Remember the placement of numbers when multiplying by more than one digit.
15. (b) A ray has a start point but does not end (represented by an arrow).
16. The figure has two lines of symmetry because folding it along a horizontal line would produce matching parts and holding it along a vertical line would produce matching parts.
17. The quotient of 21 divided by 7 is 3. **Therefore, the value of  $b$  is \$3.00.**
18. Multiply 3 by 3 to find the amount Peter will have to pay for 3 boxes of cereal:  **$3 \times 3 = \$9.00$ .**
19. **Line plots should have an "x" above each mark to represent one amount in the data.** There should be 3 x's above 4 feet, 2 x's above  $4\frac{1}{8}$  feet, 2 x's above  $4\frac{1}{4}$  feet, 5 x's above  $4\frac{1}{2}$  feet, and 3 x's above  $4\frac{3}{4}$  feet.
20. Subtract 4 from  $4\frac{3}{4}$  to find the difference in height between the tallest group of students and the shortest group of students.  **$4\frac{3}{4} - 4 = \frac{3}{4}$  foot.**

