

# 4<sup>TH</sup> GRADE MINI MOCK MILESTONES NAME: \_\_\_\_\_

1. Greg drew a shape. The shape had multiple sides. All of the interior angles of the shape had a different measurement. Two of the sides were parallel. Which of these shapes could Greg have drawn?

- A) triangle
- B) rhombus
- C) pentagon
- D) trapezoid



2. How many lines of symmetry does the quilt square have?

- A) 0
- B) 2
- C) 4
- D) 8

3. Which of these figures contains the largest angle?

- A) rhombus
- B) rectangle
- C) right triangle
- D) equilateral triangle

4.  $360 \div 30$  yields the same quotient as

- A)  $36 \div 3$ .
- B)  $36 \div 12$ .
- C)  $360 \div 3$ .
- D)  $360 \div 12$ .

5. Alex counted the number of cars in different parking lots. **42, 30, 12, 36, 18, 24, 72**

Which is true about Alex's data?

- A) All of the numbers are multiples of 4.
- B) All of the numbers are multiples of 5.
- C) All of the numbers are multiples of 6.
- D) All of the numbers are multiples of 7.

6. Gino read 42 pages in one day. Tisha read 126 pages in one day. Which equation could be solved to find how many times more pages Tisha read than Gino?

- A)  $\square \times 126 = 42$
- B)  $\square \div 126 = 42$
- C)  $42 \times \square = 126$
- D)  $42 + \square = 126$

7. The distance from Atlanta to McDonough is about 40 miles. The distance from McDonough to Macon is four times the distance from Atlanta to McDonough. Which equation best represents the distance from McDonough to Macon?

- A)  $36 = 40 - 4$
- B)  $40 = 20 \times 2$
- C)  $44 = 40 + 4$
- D)  $160 = 40 \times 4$

8. What is the missing number in this pattern? 95 89 83 77 \_\_\_\_ 65

- A) 79
- B) 73
- C) 71
- D) 68

9. A number pattern has 5 terms. The pattern starts with 27. The rule of the pattern is "add 4." Which could be the pattern?

- A) 27 31 39 51 67
- B) 27 23 19 15 11
- C) 27 31 35 39 43
- D) 27 28 30 33 37

10. Alice starts and finishes her guitar lesson at the times shown.



Start Time



Finish Time

**Part A**

How long is Alice's guitar lesson?

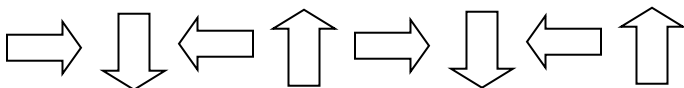
**Part B**

What fraction of the hour did Alice spend in the guitar lesson? Show your work or explain your answer.

**Part C**

Alice's guitar teacher has to change the start time of the lesson to 3:30 p.m. If the length of the lesson remains the same, at which time will the guitar lesson now finish? Show your work or explain your answer.

11. Which is the 14<sup>th</sup> figure in this pattern?



- A)
- B)
- C)
- D)

12. Which set of units would BEST be used to measure the weight of a large dog?

- A) pounds or tons
- B) grams or milligrams
- C) pounds or kilograms
- D) ounces or milligrams

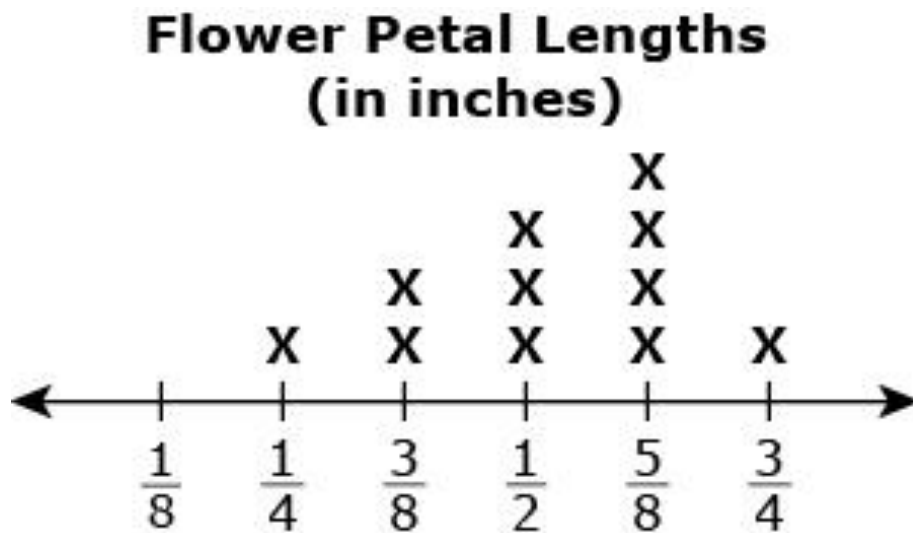
13. Trina painted a rectangular piece of wood. The length of the piece of wood is 12 inches. If the area of the piece of wood is 96 square inches, what is the width?

- A) 8 inches
- B) 9 inches
- C) 36 inches
- D) 48 inches

14. The distance around a park on a bicycle path is 3 kilometers. CeCe rides her bicycle around this path 7 times. What is the total distance she rides her bicycle, in meters?

- A) 1,000
- B) 2,100
- C) 10,000
- D) 21,000

15. The line plot below shows the lengths, in inches, of several flower petals.



What is the difference, in inches, between the lengths of the second longest petal and the shortest petal?

- A)  $\frac{3}{4}$
- B)  $\frac{5}{8}$
- C)  $\frac{1}{2}$
- D)  $\frac{3}{8}$

16. Tamika calculated the number of hours she watched television, based on the number of minutes she had watched. Which table shows the correct relationship of minutes and hours?

A) 

Minutes	Hours
60	1
120	2
180	3
240	4

B) 

Minutes	Hours
60	1
120	2
240	3
480	4

C) 

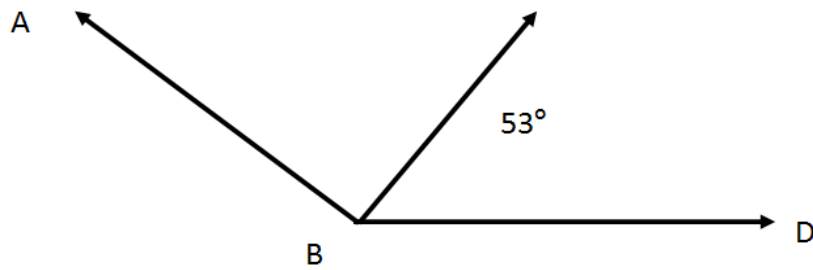
Minutes	Hours
30	1
60	2
90	3
120	4

D) 

Minutes	Hours
30	1
90	2
150	3
210	4

17. If the perimeter of a square is 44 inches, what would the area be?

- A) 44 square inches
- B) 121 square inches
- C) 11 square inches
- D) 110 square inches



18. Angle ABD had a total angle measure of  $132^\circ$ . What is the measure of the missing part of this angle?

- A)  $185^\circ$
- B)  $79^\circ$
- C)  $121^\circ$
- D)  $89^\circ$

19. Which set of fractions are ALL equivalent to  $2/6$ ?

- A)  $1/3, 3/9, 4/12,$
- B)  $1/3, 4/12, 2/5$
- C)  $1/3, 1/6, 3/9$
- D)  $4/12, 2/12, 1/6$

20.  $5/6$    $7/8$

Which symbol correctly compares the fractions above?

- A)  $<$
- B)  $>$
- C)  $+$
- D)  $=$

21. Sylvia knows there are 5 people attending her party, including herself. She wants to be sure she makes enough punch for everyone. She estimates that each person will drink  $3/4$  cup of punch.

Part A

Write an expression that represents how many cups of punch Sylvia will need to make.

Part B

Find the value of the expression in Part A. How many cups of punch will Sylvia need to make? Show your work.

Part C

Draw a fraction model to represent your answer from Part B. Explain your answer.

Part D

Sylvia has  $4 \frac{1}{4}$  cups of punch. Based on your answer in Part C, will this be enough punch for her party? Explain your answer or show your work.

22. Elise made 11 hamburgers during a barbecue with her friends. She put mayonnaise on 6 of the hamburgers and mustard on the rest. What fraction of the hamburgers had mustard?

- A)  $4/11$
- B)  $6/11$
- C)  $11/11$
- D)  $5/11$

23. Susie ate four and one-fourth chocolate pies. What is another way to represent this fraction?

- A)  $21/4$
- B)  $4/4$
- C)  $17/4$
- D)  $4/1$

24. What is another way to show that Katie ate  $5/6$  of her pizza?

- A)  $2/3 + 3/3$
- B)  $1/6 + 3/6 + 1/6$
- C)  $5/6 + 5/6$
- D)  $6/3 + 6/2$

25. Donovan was making punch. The recipe called for  $3/4$  cups of orange juice,  $1/4$  cup of apple juice and  $1\ 1/4$  cups of sprite. If he doubles the recipe, how much punch will he make in all?

- A) 2 and  $1/4$  cups of punch
- B) 4 and  $1/4$  cups of punch
- C) 2 and  $2/4$  cups of punch
- D) 4 and  $2/4$  cups of punch

26. Ashley bought 16 cookies for her party.  $1/4$  of them were chocolate chip. Which equation represents how to find the number of chocolate chip cookies? (MCC4.NF4)

- A)  $16 \times 1/4$
- B)  $16 + 1/4$
- C)  $16 \div 1/4$
- D)  $16 - 1/4$

27. Tristen has 0.9 of a cake. Which of the following has the same value as 0.9?

- A)  $100/9$
- B)  $10/9$
- C)  $9/10$
- D)  $9/100$

28. Landon painted a picture using three colors.

- $17/100$  of the picture was green
- $5/10$  of the picture was blue
- The rest of the picture is purple

What fraction shows the part of Landon's picture that is purple?

- A)  $3/100$
- B)  $37/100$
- C)  $33/100$
- D)  $100/100$

29. Lynda has five dimes and thirty nine pennies. The total amount of money Lynda has can be found by evaluating  $5/10 + 39/100$ . Which fraction is equal to the total amount of money Lynda has?

- A)  $24/100$
- B)  $89/100$
- C)  $89/200$
- D)  $24/110$

30. Which of the following statements is true?

- A)  $0.5 < 0.6$  because  $5/10$  is less than  $6/10$ .
- B)  $0.25 > 0.3$  because 25 is greater than 3.
- C)  $0.89 > 1.8$  because  $89/100$  is greater than  $80/100$ .
- D)  $0.06 = 0.6$  because 6 equals 6.

31. A club with 78 members is planning a camping trip. They need to rent cabins and tents for sleeping. Show all calculations.

- Eight members can sleep in each cabin.
- Two members can sleep in each tent.
- They plan to rent as many cabins as they can fill.

How many tents does the club need to rent?

- A) 3
- B) 4
- C) 15
- D) 62

32. The top of Stone Mountain in Georgia is 1,683 feet above sea level. The top of Sassafras Mountain in South Carolina is 3,560 feet. Which statement about the value of the digit 3 in 3,560 is true?

- A) It is one thousand times the value of 3 in 1,683.
- B) It is ten times the value of 3 in 1,683.
- C) It is one hundred times the value of 3 in 1,683.
- D) It is two thousand times the value of 3 in 1,683.

33. Three different reports give the number of people who attended a football game. Each report correctly rounds the actual attendance to a different place value.

- Report A says the attendance was about 192,000.
- Report B says the attendance was about 200,000.
- Report C says the attendance was about 190,000.

Which number could be the actual attendance at the football game?

- A) 199,018
- B) 190,220
- C) 191,804
- D) 192,820

34. What is another way to write 14,562?

- A) fourteen thousand and sixty-two
- B) four thousand five hundred sixty-two
- C) fourteen thousand five hundred sixty-two
- D) one hundred forty thousand five hundred sixty-two

35. The census of a city counts 99,896 families with 378,533 children and 121,323 adults. According to this census, what is the best estimate of the city's population?

- A) 600,000 people
- B) 500,000 people
- C) 121,000 people
- D) 100,000 people

36. Which would show the number 5,497 rounded to the nearest thousand?

- A) 5,000
- B) 5,400
- C) 5,500
- D) 6,000

37. Chen Li buys sports equipment for the City Park. One carton of tennis balls costs \$49. If she needs to buy 17 cartons, how much will she pay for the tennis balls?

- A) \$68
- B) \$441
- C) \$733
- D) \$833

**ANSWER KEY:**

- 1. D
- 2. C
- 3. A
- 4. A
- 5. C
- 6. C
- 7. D
- 8. C
- 9. C
- 10.

Part A: Alice's guitar lesson is 35 minutes long.

Part B:  $\frac{35}{60}$  because she spend 35 minutes out of 60 in an hour.

Part C: If the lesson time changed to 3:30, it would end at 4:05.

- 11. D
- 12. C
- 13. A
- 14. D
- 15. D
- 16. A
- 17. B
- 18. B
- 19. A
- 20. A
- 21.

Part A:  $5 \times \frac{3}{4}$

Part B:  $15/4 = 3 \frac{3}{4}$  - Sylvia needs to make 3 and  $\frac{3}{4}$  cups of punch for the party.

Part C: Any acceptable model of  $\frac{15}{4}$  or  $3 \frac{3}{4}$ .

Part D:  $4 \frac{1}{4}$  cups of punch will be enough for the party. She only needs  $3 \frac{3}{4}$ , so she will actually have  $\frac{2}{4}$  cups left over.

- 22. D
- 23. C
- 24. B
- 25. D
- 26. A
- 27. C
- 28. C
- 29. B
- 30. A
- 31. A
- 32. C
- 33. C
- 34. C
- 35. B



36. A  
37. D

BUBBLE SHEET AVAILABLE UPON REQUEST (email [rachel.lyle@carrollcountyschools.com](mailto:rachel.lyle@carrollcountyschools.com))

Test score - do not mark in this box

4th Grade Mini MOCK Milestone

Name: \_\_\_\_\_ Date: \_\_\_\_\_

- 1. Ⓐ Ⓑ Ⓒ Ⓓ
- 2. Ⓐ Ⓑ Ⓒ Ⓓ
- 3. Ⓐ Ⓑ Ⓒ Ⓓ
- 4. Ⓐ Ⓑ Ⓒ Ⓓ
- 5. Ⓐ Ⓑ Ⓒ Ⓓ
- 6. Ⓐ Ⓑ Ⓒ Ⓓ
- 7. Ⓐ Ⓑ Ⓒ Ⓓ
- 8. Ⓐ Ⓑ Ⓒ Ⓓ
- 9. Ⓐ Ⓑ Ⓒ Ⓓ

Answer question 10 in the space provided below.

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- 11. Ⓐ Ⓑ Ⓒ Ⓓ
- 12. Ⓐ Ⓑ Ⓒ Ⓓ
- 13. Ⓐ Ⓑ Ⓒ Ⓓ
- 14. Ⓐ Ⓑ Ⓒ Ⓓ
- 15. Ⓐ Ⓑ Ⓒ Ⓓ
- 16. Ⓐ Ⓑ Ⓒ Ⓓ
- 17. Ⓐ Ⓑ Ⓒ Ⓓ
- 18. Ⓐ Ⓑ Ⓒ Ⓓ
- 19. Ⓐ Ⓑ Ⓒ Ⓓ
- 20. Ⓐ Ⓑ Ⓒ Ⓓ

Do Not Mark

4th Grade Mini MOCK Milestone

Answer question 21 in the space provided below.

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\_\_\_\_\_

- 22. Ⓐ Ⓑ Ⓒ Ⓓ
- 23. Ⓐ Ⓑ Ⓒ Ⓓ
- 24. Ⓐ Ⓑ Ⓒ Ⓓ
- 25. Ⓐ Ⓑ Ⓒ Ⓓ
- 26. Ⓐ Ⓑ Ⓒ Ⓓ
- 27. Ⓐ Ⓑ Ⓒ Ⓓ
- 28. Ⓐ Ⓑ Ⓒ Ⓓ
- 29. Ⓐ Ⓑ Ⓒ Ⓓ
- 30. Ⓐ Ⓑ Ⓒ Ⓓ
- 31. Ⓐ Ⓑ Ⓒ Ⓓ
- 32. Ⓐ Ⓑ Ⓒ Ⓓ
- 33. Ⓐ Ⓑ Ⓒ Ⓓ
- 34. Ⓐ Ⓑ Ⓒ Ⓓ
- 35. Ⓐ Ⓑ Ⓒ Ⓓ
- 36. Ⓐ Ⓑ Ⓒ Ⓓ
- 37. Ⓐ Ⓑ Ⓒ Ⓓ

Do Not Mark

QUESTIONS TAKEN FROM:  
GOFAR  
Georgia CCGPS Coach Books  
Carroll County Schools benchmarks and unit assessments  
Rachel Lyle

ANSWER SHEET:  
Lynda Bingham