Released Form

Published February 2026

Grade 4 Mathematics

North Carolina End-of-Grade Assessment

Public Schools of North Carolina
Department of Public Instruction | State Board of Education
Division of Accountability Services/North Carolina Testing Program

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1 A bakery made 664 cookies yesterday. It packed them into 8 boxes with the same number of cookies in each box. How many cookies are in each box?

A 82

B 83

C 84

D 85

2 Jessica made 9 pans of cookies. She made a total of 63 cookies.

- She made 2 pans of chocolate cookies.
- She made 7 pans of oatmeal cookies.
- The same number of cookies were on each pan.

How many oatmeal cookies did Jessica make?

A 9

B 14

C 49

D 72

Go to the next page.

3 A band performed one concert on Saturday and one concert on Sunday.

- A total of 14,294 people attended the concerts on either Saturday or Sunday.
- 6,823 people attended the concert on Saturday.

How many people attended the concert on Sunday?

A 7,471

B 7,671

C 8,471

D 8,671

4 There are 15 trucks in a garage. Each truck needs 18 tires. How many tires will be needed for all the trucks?

A 140

B 170

C 240

D 270

5 Which statement is true of this figure?

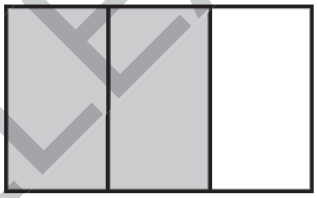
A It contains both parallel and perpendicular line segments.

B It contains parallel line segments but no perpendicular line segments.

C It contains perpendicular line segments but no parallel line segments.

D It contains neither parallel nor perpendicular line segments.

6 What fraction of this rectangle is shaded?



A $\frac{3}{12}$

B $\frac{4}{8}$

C $\frac{4}{6}$

D $\frac{3}{4}$

7 There are 3 schools in a large town. This table shows the number of students that go to each school.

School	Number of Students
E	1,602
F	949
G	1,097

What is the total number of students at all 3 schools, rounded to the nearest hundred?

A 4,000 students

B 3,600 students

C 3,400 students

D 3,000 students

8 A teacher placed 395 pieces of paper into 5 equal stacks. How many pieces of paper are in each stack?

A 69

B 78

C 79

D 80

9 There are 590 people outside a cafeteria. There are 5 times as many people outside the cafeteria as inside the cafeteria. How many people are inside the cafeteria?

A 112

B 114

C 116

D 118

10 At a restaurant, each ice-cream serving measures $\frac{2}{3}$ cup. How many cups of ice cream are needed for 6 servings?

A $2\frac{2}{3}$ cups

B 3 cups

C 4 cups

D $4\frac{2}{3}$ cups

Go to the next page.

11 Kim and Billy walked a total of 60,021 steps in one month. Billy walked 25,552 steps. How many steps did Kim walk?

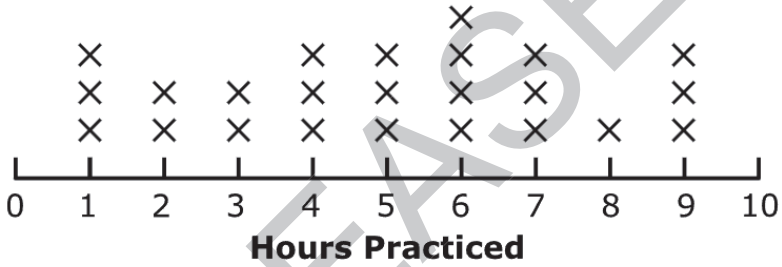
A 45,531 steps

B 35,469 steps

C 34,549 steps

D 34,469 steps

12 This line plot shows the number of hours a group of piano students practiced last week.



How many students practiced for 5 or more hours last week?

A 17

B 14

C 11

D 3

13 Four girls ran at recess.

- Sue ran $\frac{3}{4}$ mile.
- Lily ran $\frac{2}{3}$ mile.
- Kate ran $\frac{3}{8}$ mile.
- Maria ran $\frac{7}{12}$ mile.

Which girl ran the farthest?

A Sue

B Lily

C Kate

D Maria

14 There are 28 pages in a photo album.

- On half of the pages, there are 12 pictures per page.
- On the other half of the pages, there are 11 pictures per page.

How many pictures are in the photo album?

A 212

B 322

C 336

D 644

15 Alex and Joe ate part of a pizza. Alex ate $\frac{3}{12}$ of the pizza, and Joe ate $\frac{2}{12}$ of the pizza. How much of the pizza was left?

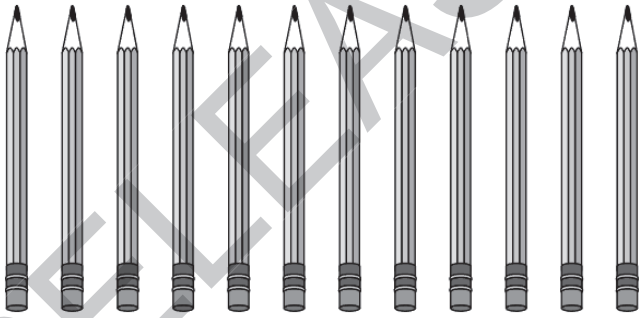
A $\frac{1}{12}$

B $\frac{3}{12}$

C $\frac{5}{12}$

D $\frac{7}{12}$

16 Ben had 12 pencils, as shown.



He kept 9 of the pencils and gave 3 to his friend. What fraction of the pencils did Ben give to his friend?

A $\frac{1}{4}$

B $\frac{1}{3}$

C $\frac{2}{3}$

D $\frac{3}{4}$

17 A total of 29,221 people went to a concert on Friday and Saturday night. On Friday night, 13,578 people went to the concert. How many people went to the concert on Saturday night?

A 16,647

B 16,357

C 15,653

D 15,643

18 A flower store needs to put 357 flowers into vases. Each vase will hold 9 flowers. How many vases will the flower store need for ***all*** of the flowers?

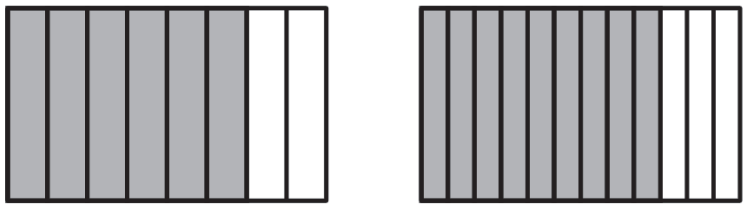
A 39

B 40

C 45

D 46

19 Which fraction is equivalent to the shaded area of each of these models?



A $\frac{2}{8}$

B $\frac{4}{6}$

C $\frac{3}{4}$

D $\frac{8}{10}$

20 Tickets for a train cost $87 per person. There are 28 people going on the train. How much money is paid?

A $1,286

B $1,956

C $2,286

D $2,436

This is the end of the calculator inactive test questions.

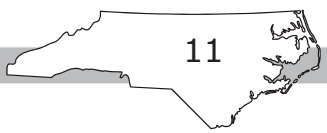
Directions:

1. **Look back over your answers for the calculator inactive questions. You will not be able to go back and work on these questions once you are given a calculator.**

2. **Make sure all your answers are entered appropriately in your book.**

3. **Raise your hand to let your teacher know you are ready to begin the calculator active test questions.**

4. **Do not begin work on the calculator active test questions until your teacher has given you a calculator.**



21 An empty water bottle can hold up to 250 milliliters of water. How many 250-milliliter bottles of water are needed to hold a total of 1,000 milliliters of water?

A 5

B 4

C 3

D 2

22 A class collected cans of food for charity.

- It set a goal of collecting 30 cans.
- The class already had 6 cans.
- Each additional day the class collected 4 more cans.

How many additional days did the class take to reach its goal?

A 4 days

B 5 days

C 6 days

D 7 days

23 What is the sum of $\frac{2}{10}$, $\frac{35}{100}$, and $\frac{40}{100}$?

A $\frac{55}{100}$

B $\frac{75}{100}$

C $\frac{77}{100}$

D $\frac{95}{100}$

24 Which choice is a composite number?

A 1

B 3

C 5

D 9

25 A group of students were doing their homework. By 5:00 p.m.,

- Sally had completed $\frac{2}{3}$ of her homework,
- David had completed $\frac{2}{4}$ of his homework,
- Carol had completed $\frac{5}{6}$ of her homework, and
- Ethan had completed $\frac{9}{10}$ of his homework.

Who has completed the ***least*** amount of his or her homework?

A Sally

B David

C Carol

D Ethan

26 There were three baseball games over three nights.

- On Friday, there were 22,603 people at the game.
- On Saturday, there were 23,091 people at the game.
- On Sunday, there were more people than at Friday's game but fewer people than at Saturday's game.

Which is a possible number of people that attended Sunday's game?

A 22,504

B 22,600

C 23,019

D 24,798

27 The length of a classroom is 20 meters. What is the length in centimeters?

A 2,000 centimeters

B 200 centimeters

C 120 centimeters

D 100 centimeters

28 Jerry drank 3 liters of water last week. How many milliliters did he drink?

A 30 milliliters

B 300 milliliters

C 3,000 milliliters

D 30,000 milliliters

29 A rectangular sandbox has a perimeter of 30 feet and a length of 9 feet. What is the width of the sandbox?

A 6 feet

B 8 feet

C 12 feet

D 21 feet

30 Which decimal is greater than the amount shaded in Figure X but less than the amount shaded in Figure Y?

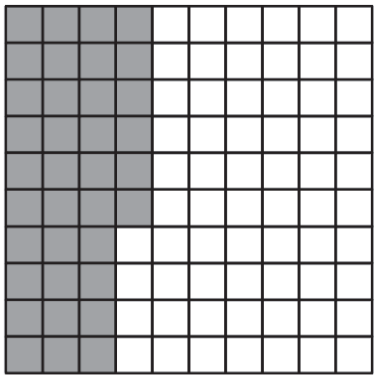


Figure X

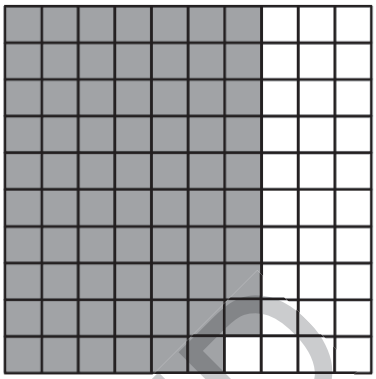


Figure Y

A 0.23

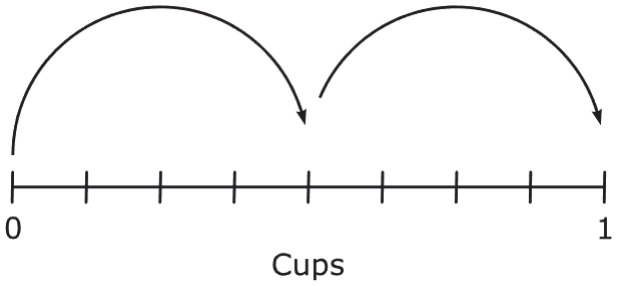
B 0.33

C 0.5

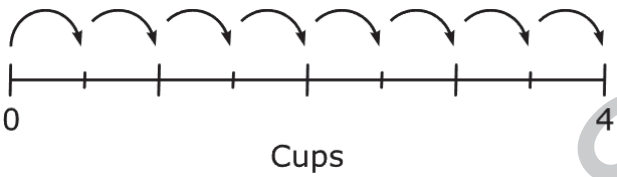
D 0.7

31 Gloria watered 8 plants. She used $\frac{1}{2}$ of a cup of water for each plant. Which number line represents this information?

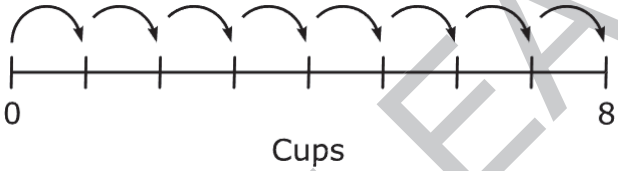
A



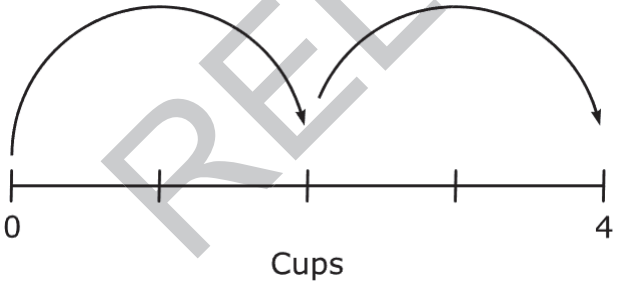
B



C

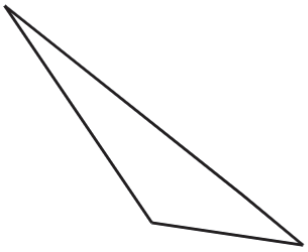


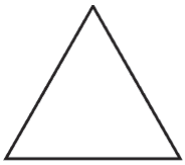
D

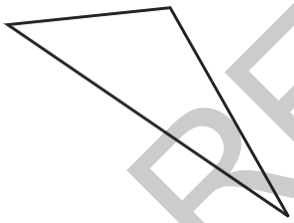


32 Which triangle contains ***exactly*** one line of symmetry?

A 

B 

C 

D 

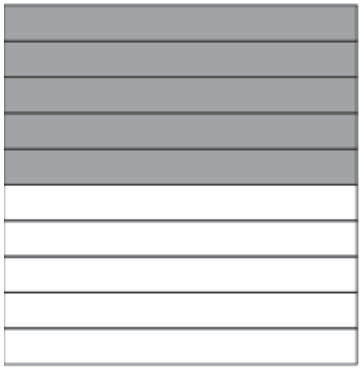
33 Two inequalities are shown.

$$n < 0.8$$

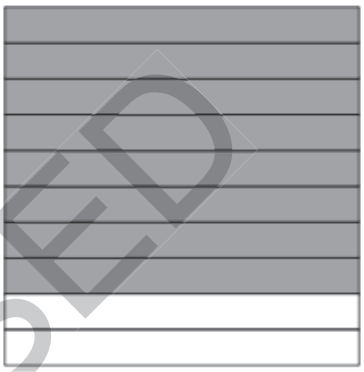
$$0.6 < n$$

Which shaded model could represent n and make both inequalities true?

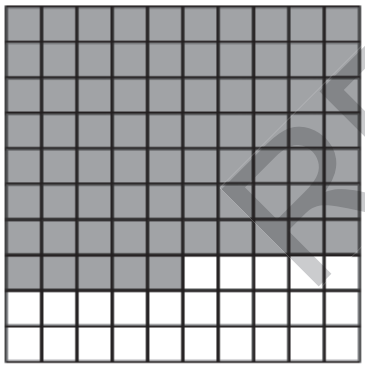
A



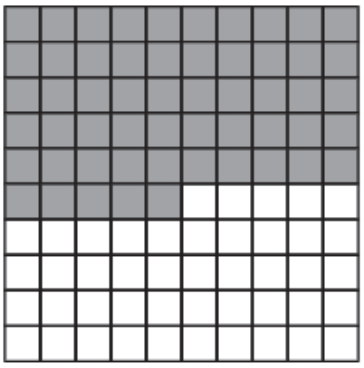
B



C



D



Go to the next page.

34 Charlie mows grass for his neighbors. A rectangular yard with a length of 12 feet and a width of 10 feet takes him 15 minutes to mow. At this rate, what is the ***largest*** area of grass Charlie can mow in 1 hour?

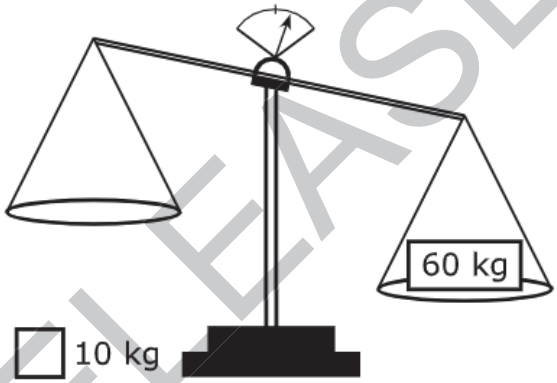
A 460 square feet

B 480 square feet

C 500 square feet

D 520 square feet

35 How many 10-kg weights are needed to balance this scale?



A 5

B 6

C 50

D 60

Go to the next page.

36 Three friends are eating candy bars. The candy bars are all the same size.

- Teresa eats $\frac{3}{6}$ of her candy bar.
- Jimmy eats $\frac{2}{6}$ of his candy bar.
- Nick eats $\frac{5}{6}$ of his candy bar.

How many candy bars have the three friends eaten?

A $1\frac{1}{3}$ candy bars

B $1\frac{1}{2}$ candy bars

C $1\frac{2}{3}$ candy bars

D $1\frac{5}{6}$ candy bars

37 Austin ran 8 miles every day for a period of time. He ran a total of 144 miles. How many days did Austin run?

A 16 days

B 18 days

C 822 days

D 1,152 days

Go to the next page.

38 Which list of numbers is in order from ***least*** to ***greatest***?

A 21.04, 21.05, 21.4, 210.04

B 21.04, 210.04, 21.4, 21.05

C 21.4, 21.04, 21.05, 210.04

D 210.04, 21.4, 21.05, 21.04

39 Shonda bought a hat and a jacket.

- The jacket cost 4 times more than the hat.
- She paid $32 for the jacket.

What was the total cost of the jacket and the hat?

A $160

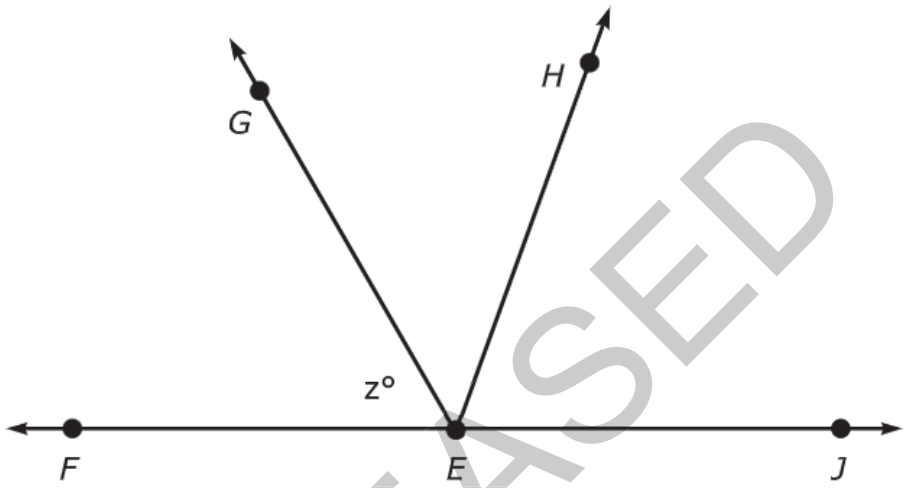
B $128

C $40

D $12

40 In this figure

- $\angle FEJ$ is a straight line,
- $\angle GEH$ has a measure of 50°, and
- $\angle HEJ$ has a measure of 70°.



Which equation shows the value of z?

A $180 - 50 = z$

B $(70 + 50) - 180 = z$

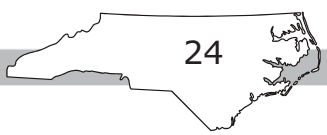
C $180 - 70 = z$

D $180 - (50 + 70) = z$

This is the end of the Mathematics test.

Directions:

1. **Look back over your answers for the calculator active questions only.**
2. **Make sure all your answers are entered appropriately in your book.**
3. **Put all of your papers inside your test book and close your test book.**
4. **Place your calculator on top of the test book.**
5. **Stay quietly in your seat until your teacher tells you that testing is finished.**
6. **Remember, teachers are not allowed to discuss questions from the test with you, and you are not allowed to discuss with others any of the test questions or information contained within the test.**



Grade 4
Mathematics
RELEASED Form
2026
Answer Key

Calculator Inactive 

Item Number	Type	Key	DOK*	Standard
1	MC	B	1	4.NBT.6
2	MC	C	3	4.OA.3
3	MC	A	1	4.NBT.4
4	MC	D	1	4.NBT.5
5	MC	A	2	4.G.1
6	MC	C	1	4.NF.1
7	MC	B	1	4.OA.3
8	MC	C	1	4.NBT.6
9	MC	D	2	4.OA.1
10	MC	C	2	4.NF.4
11	MC	D	1	4.NBT.4
12	MC	B	2	4.MD.4
13	MC	A	2	4.NF.2
14	MC	B	2	4.NBT.5
15	MC	D	2	4.NF.3
16	MC	A	2	4.NF.1
17	MC	D	1	4.NBT.4
18	MC	B	1	4.NBT.6

Go to the next page.

19	MC	C	2	4.NF.1
20	MC	D	1	4.NBT.5

Calculator Active

Item Number	Type	Key	DOK*	Standard
21	MC	B	1	4.MD.1
22	MC	C	2	4.OA.5
23	MC	D	2	4.NF.6
24	MC	D	1	4.OA.4
25	MC	B	2	4.NF.2
26	MC	C	2	4.NBT.7
27	MC	A	1	4.MD.2
28	MC	C	1	4.MD.2
29	MC	A	2	4.MD.3
30	MC	C	2	4.NF.7
31	MC	B	2	4.NF.4
32	MC	A	2	4.G.3
33	MC	C	2	4.NF.7
34	MC	B	3	4.MD.3
35	MC	B	1	4.MD.1
36	MC	C	2	4.NF.3
37	MC	B	2	4.NBT.6
38	MC	A	1	4.NF.7
39	MC	C	2	4.OA.1
40	MC	D	2	4.MD.6

*DOK:
1 = Recall
2 = Skill/Concept
3 = Strategic Thinking

STOP