Released Form

Published February 2026

Grade 3 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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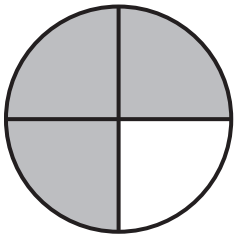
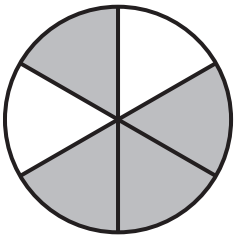
1 Which circle has the same amount shaded as this figure?



A



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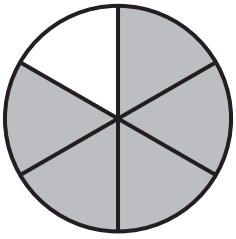

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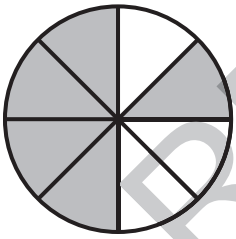
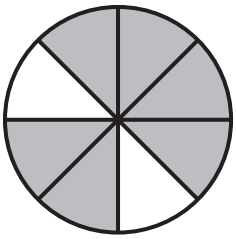


D



2 Savion has trouble remembering the product of 6 × 9. Which is another way for Savion to solve this multiplication problem?

A $6 \times 4 + 6 \times 5$

B $6 \times 6 + 6 \times 9$

C $9 \times 6 + 6 \times 9$

D $9 \times 3 + 6 \times 9$

3 What value for d makes this equation correct?

$$7 = d \div 3$$

A 4

B 10

C 21

D 28

4 What is the distance between X and Y on this number line?

A $\frac{1}{3}$

B $\frac{2}{3}$

C $\frac{3}{2}$

D $\frac{3}{1}$

Go to the next page.

5 There are 32 students sitting at tables in the lunchroom. There are 2 tables that have 10 students each. The other students are sitting at an extra table. Which equation can be used to find the number of students, *s*, sitting at the extra table?

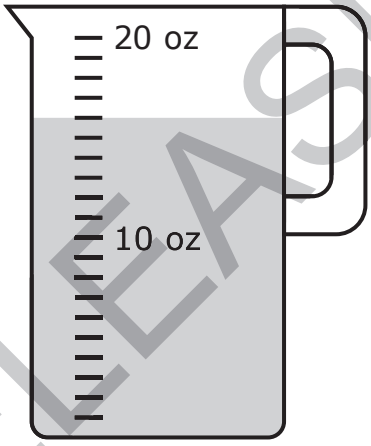
A $2 + 10 + 32 = s$

B $2 \times 10 + 32 = s$

C $s + 2 + 10 = 32$

D $2 \times 10 + s = 32$

6 Four friends drank equal shares of the fruit juice in this container.



How much fruit juice did each friend get?

A 6 oz

B 5 oz

C 4 oz

D 3 oz

7 David drove on a road trip:

- 198 miles on the first day, and
- 134 miles on the second day.

How many miles did David drive over both days, rounded to the nearest ten?

A 310 miles

B 320 miles

C 330 miles

D 340 miles

8 Sue used 42 apples to make pies. Six apples were needed to make one pie. How many pies did Sue make?

A 8

B 6

C 9

D 7

9 In this equation, the △ represents a number.

$$7 \times \triangle = 63$$

In which choice does the △ represent the same number?

A $63 \div 7 = \triangle$

B $7 \div \triangle = 63$

C $7 \div 63 = \triangle$

D $\triangle \div 7 = 63$

10 Matt will put all of his cards into his card book.

- He has 81 baseball cards.
- Each page of the book holds 9 cards.

What is the fewest number of pages Matt can use to put all of his cards into the book?

A 8

B 9

C 10

D 11

11 Which fraction has a value of 4?

A $\frac{1}{4}$

B $\frac{1}{3}$

C $\frac{4}{4}$

D $\frac{16}{4}$

12 A plane flew 336 miles on Monday and 476 miles on Tuesday. ***Approximately*** how many miles did the plane fly, rounded to the nearest hundred?

A 700 miles

B 730 miles

C 800 miles

D 830 miles

13 Erin and her four friends have 45 pencils. They will share them equally. How many pencils will each friend get?

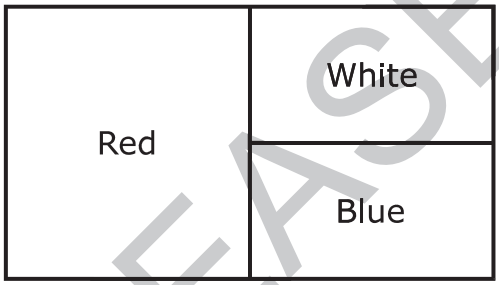
A 9

B 8

C 7

D 6

14 Ryan wants to paint one of his walls with red paint, white paint, and blue paint, as shown.



What fraction of the wall will be painted blue?

A $\frac{1}{6}$

B $\frac{1}{4}$

C $\frac{1}{3}$

D $\frac{1}{2}$

15 What number makes this equation true?

$$9 \times \triangle = 72$$

A 6

B 7

C 8

D 9

16 There are 40 rows of seats in a theater. There are 9 seats in each row. How many seats are in the theater?

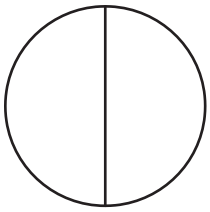
A 49 seats

B 130 seats

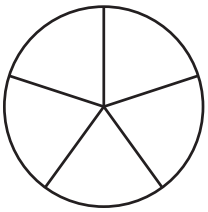
C 360 seats

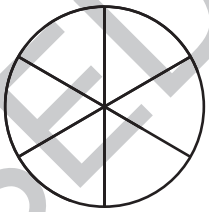
D 380 seats

17 Sara will shade 2 parts of each circle below. Which circle will have $\frac{1}{3}$ shaded?

A 

B 

C 

D 

18 Melvin planted 24 flowers in 4 equal rows. Which number sentence finds out how many plants, p, are in each row?

A $24 \div 4 = p$

B $4 \div p = 24$

C $24 \times 4 = p$

D $p \times 24 = 4$

19 Which model is $\frac{1}{4}$ shaded?

A 

B 

C 

D 

20 Adam has 49 cards and James has 28 cards. How many more cards are needed for them to have 111 cards altogether?

A 34 cards

B 36 cards

C 44 cards

D 46 cards

This is the end of the calculator inactive test questions.

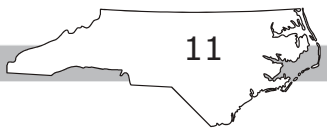
Directions:

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 A multiplication chart is shown.

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

Which statement is always true and is illustrated by the shaded portion of the chart?

A The product of two even numbers is divisible by 6.

B The product of two odd numbers is odd.

C The product of an even number and an odd number is odd.

D The product of two odd numbers is divisible by 5.

22 There are 7 parking spaces in each row of a parking lot. There are 8 rows. A total of 39 parking spaces are full. How many parking spaces are empty?

A 10

B 13

C 15

D 17

23 A rectangular bedroom is 12 feet long and 10 feet wide. What is the perimeter of the bedroom?

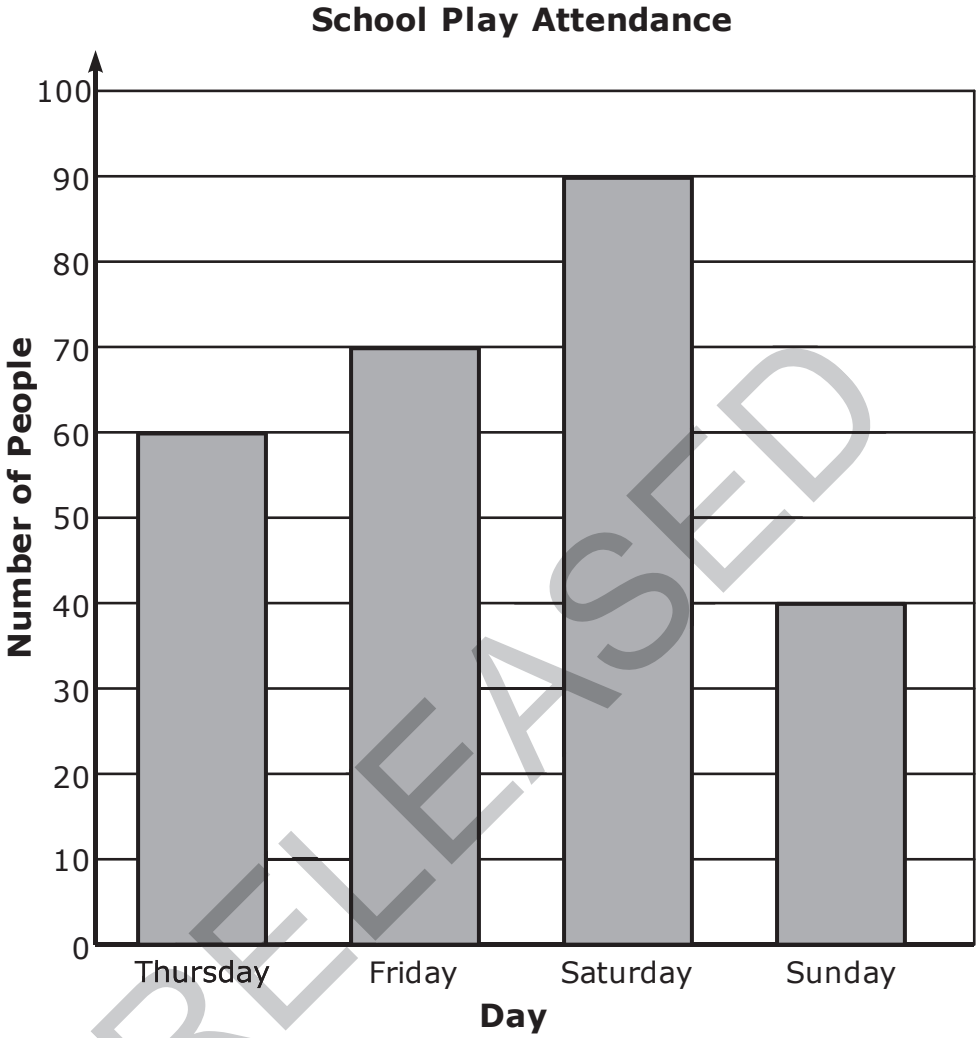
A 22 feet

B 44 feet

C 100 feet

D 120 feet

24 This bar graph shows the number of people who attended a school play.



How many fewer people attended on Sunday than on Saturday?

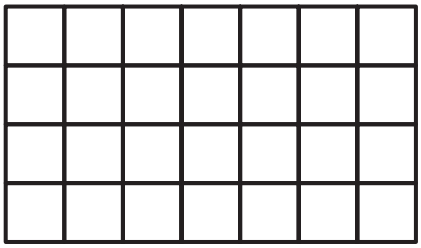
A 30

B 40

C 50

D 130

25 Four students were trying to find the area of this rectangle.



Their strategies are in this chart.

Name	Strategy
Kendra	Add the two side lengths together.
Jason	Cover the rectangle with unit square tiles and count them.
Ali	Multiply the length by the width.
Melvin	Add the two side lengths together, then multiply by 2.

Whose strategies would find the correct area of the rectangle?

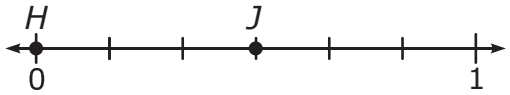
A Kendra's and Jason's

B Jason's and Ali's

C Ali's and Melvin's

D Kendra's and Melvin's

26 Which fraction is represented by the distance from *H* to *J*?



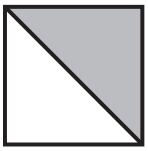
A $\frac{1}{3}$

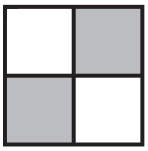
B $\frac{2}{6}$

C $\frac{3}{6}$

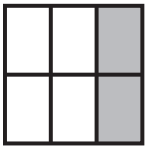
D $\frac{3}{3}$

27 Which fraction model shows $\frac{1}{3}$ shaded?

A 

B 

C 

D 

28 A pentagon has sides with equal lengths. The perimeter of the pentagon is 35 units. How long is each side?

A 6 units

B 7 units

C 8 units

D 9 units

29 The fourth- and fifth-grade classes at an elementary school made $674 altogether at a school yard sale. The fifth-grade classes made $391. How much money did the fourth-grade classes make?

A $1,065

B $965

C $323

D $283

30 Which statement is true about these shapes?

A Both shapes have four vertices.

B Both shapes have four equal sides.

C Both shapes have slanted lines.

D Both shapes have two sets of parallel lines.

31 Mike runs 4 miles a day. How many days will it take him to run 20 miles?

A 4

B 5

C 16

D 24

32 An art teacher had 18 feet of string. She gave the string to 9 students to share equally. How many feet of string did each student get?

A 2

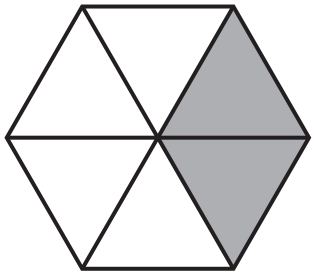
B 3

C 27

D 36

Go to the next page.

33 A fraction of this figure is shaded.



Which choice is a fraction that is less than the shaded fraction of the figure?

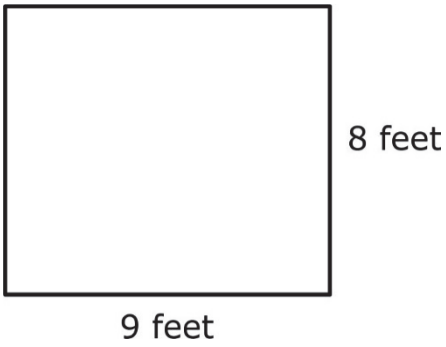
A $\frac{2}{3}$

B $\frac{2}{8}$

C $\frac{2}{2}$

D $\frac{2}{4}$

34 A rectangular garden is shown.



What is the area of the garden?

A 17 square feet

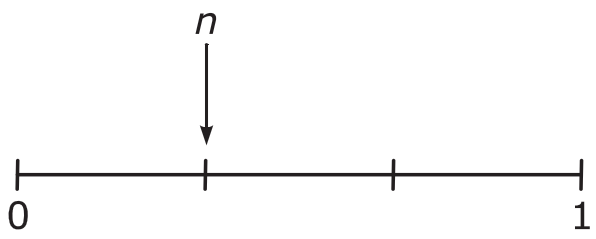
B 34 square feet

C 72 square feet

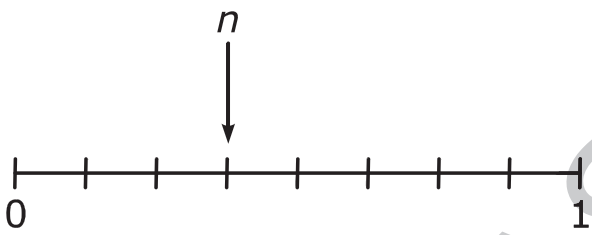
D 81 square feet

35 On which number line does n have a value of $\frac{2}{6}$?

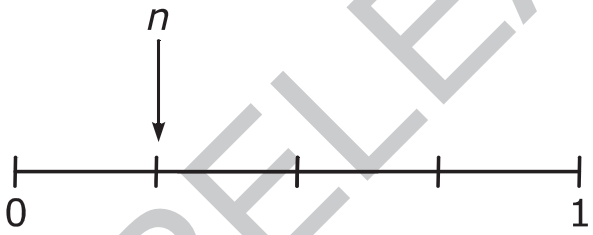
A



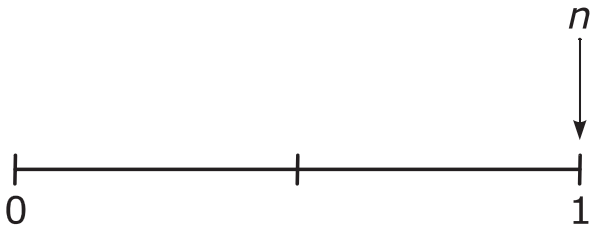
B



C



D



36 Victoria has a refrigerator with 2 rectangular doors that are the same size. What is the total area of both doors if one door is 5 feet tall and 2 feet wide?

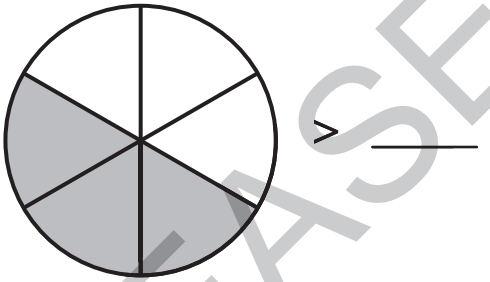
A 7 square feet

B 10 square feet

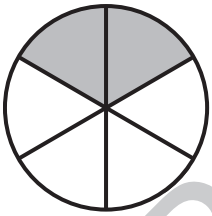
C 14 square feet

D 20 square feet

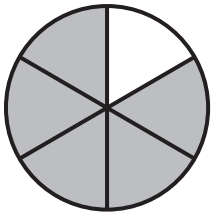
37 Which choice will make the diagram shown true?



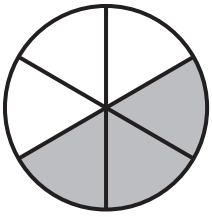
A



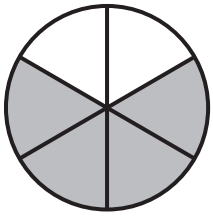
B



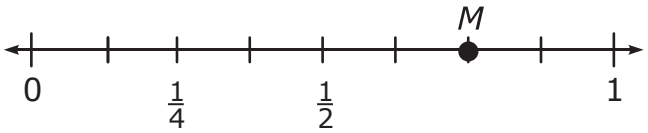
C



D



38 Which fraction is represented by point *M* on this number line?



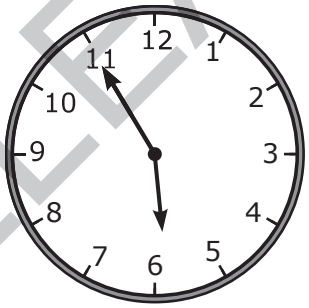
A $\frac{1}{3}$

B $\frac{3}{4}$

C $\frac{7}{9}$

D $\frac{6}{4}$

39 Joel hiked for 45 minutes. He finished hiking at the time shown.



At what time did Joel begin hiking?

A 5:10 p.m.

B 5:45 p.m.

C 6:10 p.m.

D 6:40 p.m.

40 A farmer put 8 large boxes of apples into a truck. There are 80 apples in each box. How many apples did the farmer put into the truck altogether?

A 72

B 88

C 640

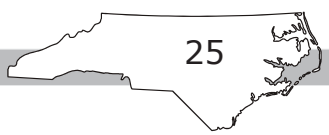
D 720

Go to the next page.

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 3
Mathematics
RELEASED Form
2026
Answer Key

Calculator Inactive 

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

Go to the next page.

19	MC	C	2	3.NF.3
20	MC	A	2	3.OA.8

Calculator Active 

Item Number	Type	Key	DOK*	Standard
21	MC	B	2	3.OA.9
22	MC	D	2	3.OA.8
23	MC	B	2	3.MD.8
24	MC	C	2	3.MD.3
25	MC	B	2	3.MD.7
26	MC	C	2	3.NF.2
27	MC	D	1	3.NF.3
28	MC	B	2	3.MD.8
29	MC	D	2	3.NBT.2
30	MC	A	1	3.G.1
31	MC	B	1	3.OA.3
32	MC	A	2	3.MD.2
33	MC	B	1	3.NF.4
34	MC	C	1	3.MD.7
35	MC	A	2	3.NF.2
36	MC	D	1	3.MD.7
37	MC	A	2	3.NF.4
38	MC	B	2	3.NF.2
39	MC	A	1	3.MD.1
40	MC	C	2	3.NBT.3

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

STOP