



THIRD SPACE
LEARNING

3rd Grade North Carolina State Practice Math Test

North Carolina Practice Test
Grade 3

Grade 3

Questions

Name:

Class:

Date:

Score:

No Calculator For Questions 1 - 22



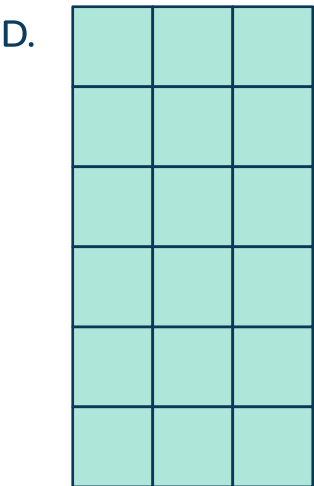
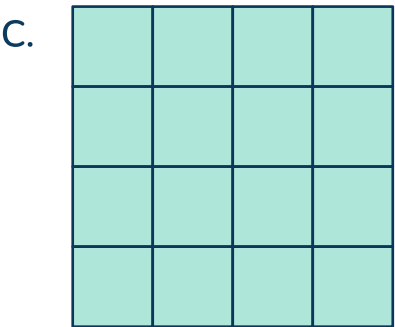
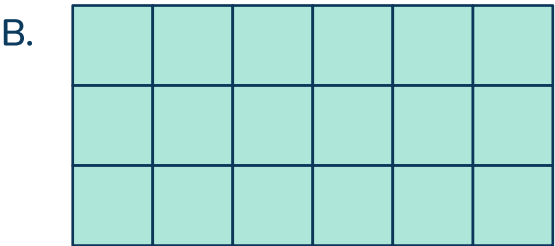
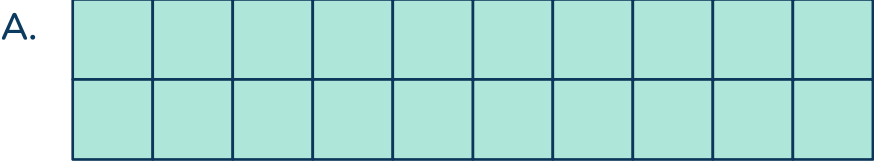
- 1 Kellan reads for 20 minutes and then watches videos on his computer for 12 minutes. Then he eats dinner for 17 minutes. If he finishes dinner at 6:58 pm, what time did Kellan start reading?

A. 6:09 pm
B. 6:21 pm
C. 6:11 pm
D. 6:01 pm

- 2 Geraldo read 21 pages in his book last week. For the next 7 days, Geraldo will read 9 pages each day. How many total pages will Geraldo have read in total?

A. 37 pages
B. 84 pages
C. 57 pages
D. 42 pages

3 Which rectangle is the largest?



4 Idris is solving 7×8 . Which strategy will NOT work?

- A. Solving $7 + 7$. And then adding the sum 4 times.
 - B. Solving 2×8 and 5×8 and adding the products.
 - C. On a number line, starting at 7 and making 7 jumps of 8 to the right.
 - D. Creating an array with 7 rows and 8 columns.
-

5 $5 \times 80 = \star$

What is the value of \star ?










- A. 40
 - B. 400
 - C. 130
 - D. 320
-

6 Vega has 64 stickers. She shares them with her friends. Each friend gets 8 stickers. How many friends did Vega share with?

- A. 8
- B. 7
- C. 72
- D. 56

- 7 Jessie drank $\frac{1}{6}$ of a liter of water. Terry drank $\frac{1}{8}$ of a liter of water. Which statement is true?
- A. Jessie drank more, because $\frac{1}{6} > \frac{1}{8}$.
- B. Terry drank more, because $\frac{1}{8} > \frac{1}{6}$.
- C. They drank the same, because they both drank 1 part.
- D. $\frac{1}{6}$ cannot be compared to $\frac{1}{8}$, because the denominators are different.

8 Animal Shelter Pet Adoptions

Monday	   
Tuesday	  
Wednesday	 

 = 4 pet adoptions

How many more pet adoptions were there on Monday than on Wednesday?

- A. 5
- B. $2\frac{1}{2}$
- C. 10
- D. 1

9

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	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

James circles the products of 8 in red and the products of 4 in blue. Which statement about the products is true?

- A. The products of 4 are always odd.
- B. The products of 8 alternate between odd and even.
- C. All products of 8 are also products of 4.
- D. All products of 4 are also products of 8.

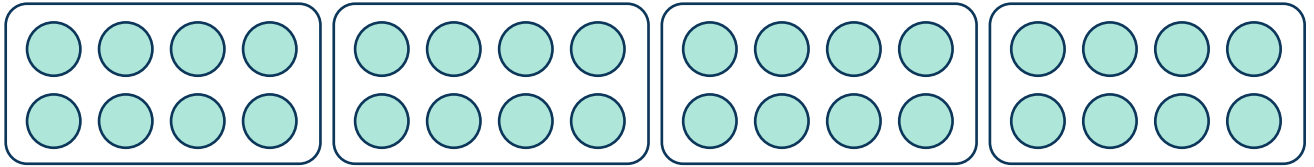
10



Which fraction is equivalent to the value of the point shown?

- A. $\frac{2}{3}$
- B. $\frac{1}{6}$
- C. $\frac{1}{2}$
- D. $\frac{5}{6}$

11



Which problem can be solved with the model above?

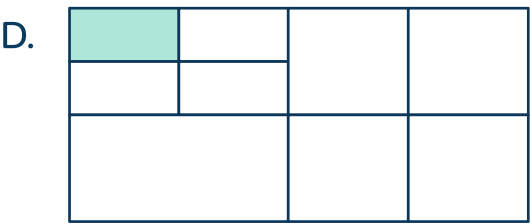
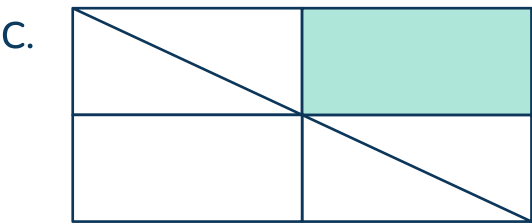
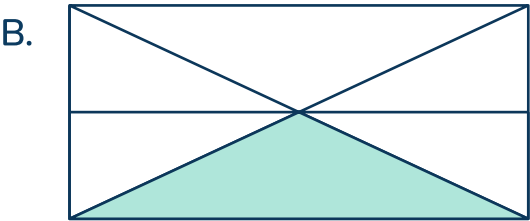
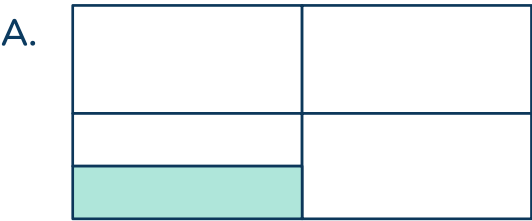
- A. Zara scored 8 points and then 4 more points. How many points did she score in total?
- B. There are 4 books. Each book has 32 pages. How many pages does one book have?
- C. There are 8 bushes. Each bush has 32 fruits. How many fruits are there in total?
- D. There are 32 ounces of dog food. Each dog needs 8 ounces. How many dogs can eat?

12

Macy has two cats. Each cat eats 4 ounces of food every day. Macy has 32 ounces of cat food. How many more days can Macy feed her cats with the food she has?

- A. 8 days
- B. 4 days
- C. 26 days
- D. 12 days

13 Which choice shows $\frac{1}{8}$ of the rectangle shaded?



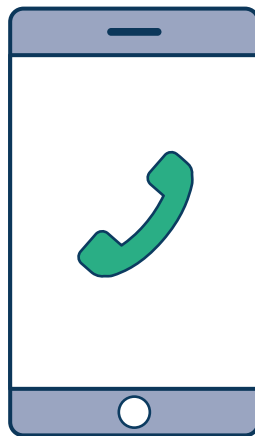
14 Kayla earned 179 points on Level 1 and 487 points on Level 2. She lost 108 points on Level 3. *About* how many points did Kayla have at the end of Level 3?

- A. 400 points
- B. 500 points
- C. 600 points
- D. 700 points

- 15 Margot is covering her book with square sticky notes. Each side of the sticky note is 1 inch. If the total area is 54 sticky notes, what is the length and width of the book?

A. 9 inches by 6 inches
B. 20 inches by 25 inches
C. 15 inches by 12 inches
D. 8 inches by 7 inches

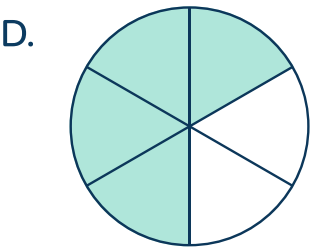
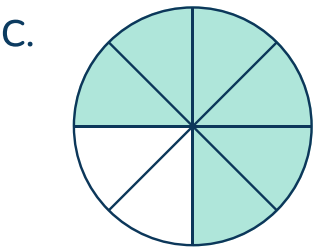
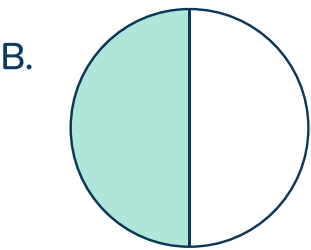
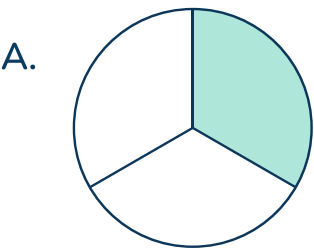
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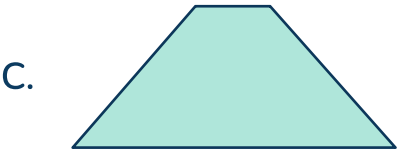
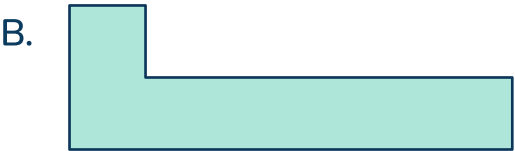
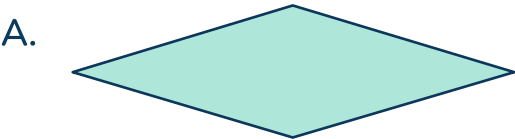
Which is the best estimate for the weight of a phone?

A. 5 ounces
B. 50 ounces
C. 5 pounds
D. 50 pounds

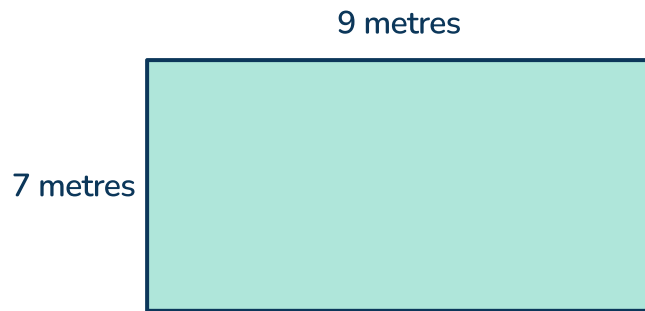
17 Which shape correctly completes the comparison of the shaded areas?



18 Which shape is NOT a quadrilateral?



- 19 Leslie is finding the area of the rectangle.



She broke the rectangle up into two smaller rectangles.

- First rectangle: 7×4
- Second rectangle: _____

Which expression shows the area of the second rectangle?

- A. 7×9
- B. 4×9
- C. 5×7
- D. 5×9

-
- 20 Which equation can help you solve $42 \div 7 = \triangle$?

- A. $\triangle \div 7 = 42$
- B. $\triangle \times 42 = 7$
- C. $7 \times \triangle = 42$
- D. $7 \div \triangle = 42$

- 21 A parking lot has 340 spaces. There are cars in 189 spaces. How many parking spaces are empty?

A. 151
B. 529
C. 241
D. 429

22



What is the missing value?

A. 0
B. $\frac{4}{4}$
C. $\frac{1}{2}$
D. $\frac{2}{3}$



THIS IS THE END OF CALCULATOR INACTIVE QUESTIONS

THIS IS THE BEGINNING OF CALCULATOR ACTIVE QUESTIONS

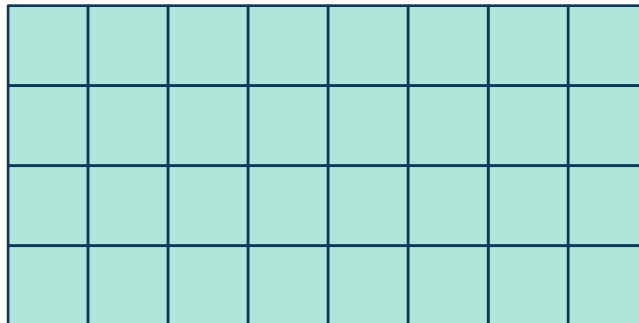
Calculator Can Be Used For Questions 23 - 25



- 23 Each fish tank has 5 fish. There are 45 fish in all. How many fish tanks are there?

A. 40 fish tanks
B. 9 fish tanks
C. 8 fish tanks
D. 50 fish tanks

-
- 24 The shape below is made of square units.



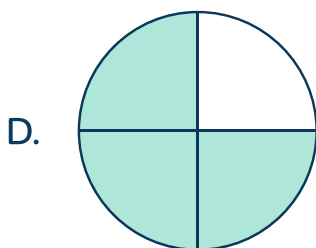
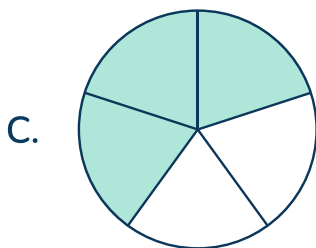
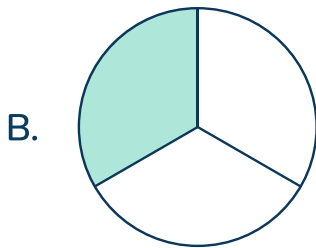
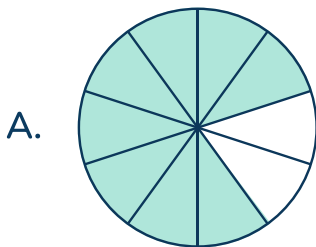
Which expression can be used to find the area of the shape?

A. $4 + 8 + 4 + 8$
B. 4×8
C. $4 + 4 + 4 + 4 + 4 + 4$
D. $8 \times 8 \times 8$

25 Mr. Francis asked his students to draw a quadrilateral with four square corners. Which shape does NOT fit Mr. Francis' directions?

- A. trapezoid
 - B. rectangle
 - C. square
 - D. parallelogram
-

26 Which shape shows a shaded amount equivalent to $\frac{6}{8}$?



- 27 There were 45 markers shared equally between 5 students. Which equation can be used to solve?

A. $5 \times \triangle = 45$

B. $45 \times 5 = \triangle$

C. $\triangle \div 45 = 5$

D. $5 \div \triangle = 45$

-
- 28 The cafeteria has 31 cups. Four new bags of cups arrive. Each bag has 9 cups. How many cups does the cafeteria have now?

Which equation can be used to solve?

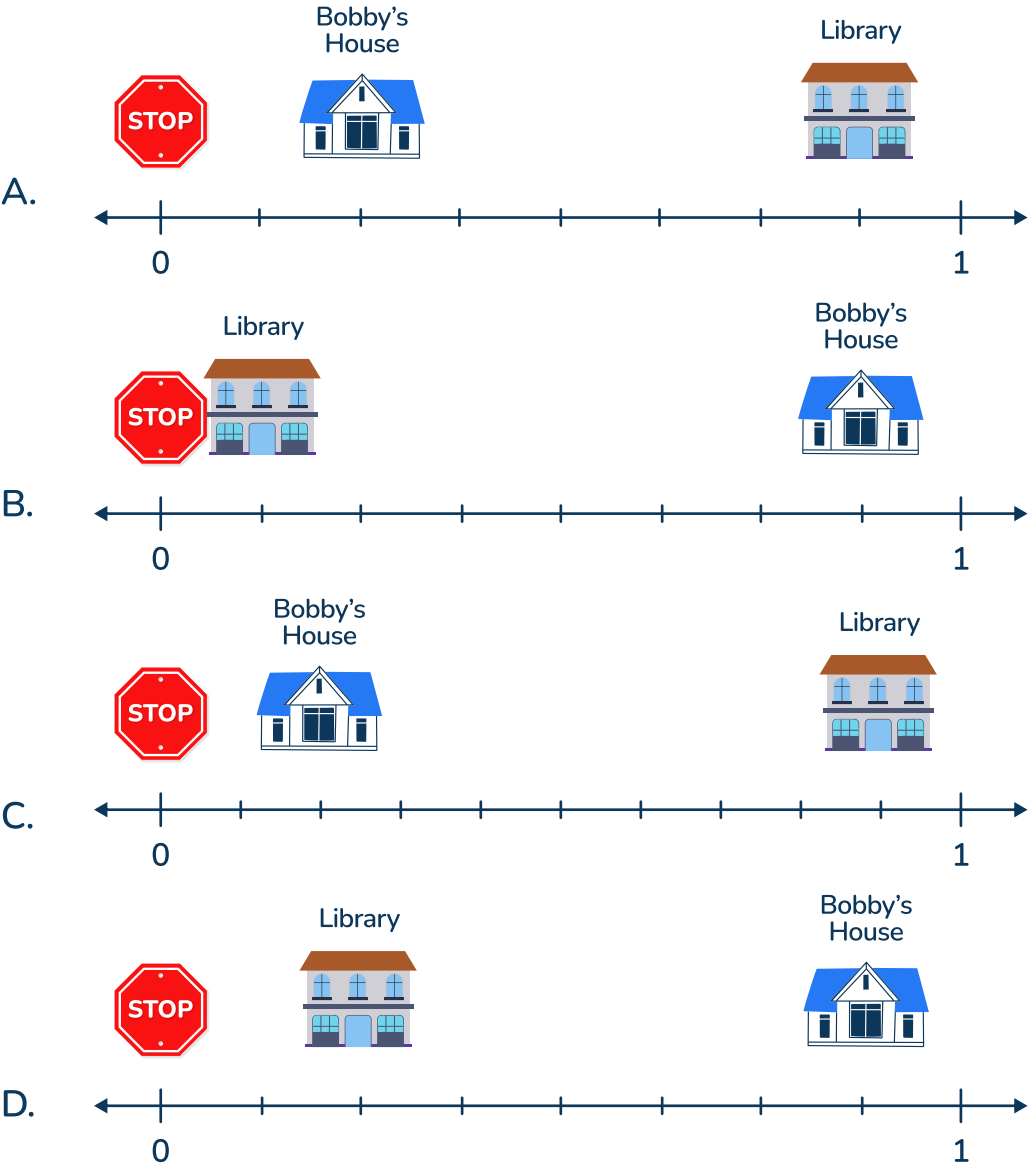
A. $31 + 4 + 9 = \square$

B. $(31 + 4) \times 9 = \square$

C. $4 \times 9 + 31 = \square$

D. $9 \times 31 = \square$

29 Bobby lives on a 1 mile street. Bobby lives $\frac{7}{8}$ of a mile from the stop sign. There is a library $\frac{1}{4}$ of a mile from the stop sign. Which number line correctly shows Bobby's house and the library?



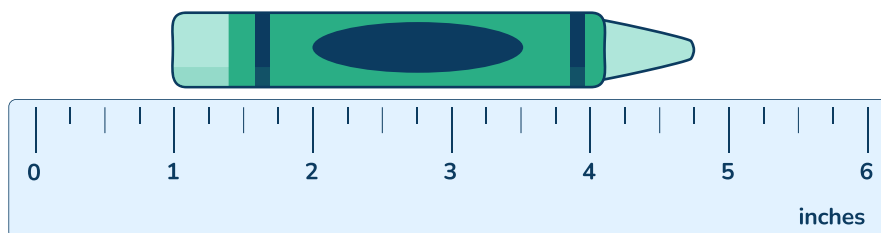
- 30 A cupcake shop has 56 vanilla cupcakes and 78 chocolate cupcakes. The rest are strawberry cupcakes. There are 171 cupcakes in total. How many strawberry cupcakes are there?

A. 37
B. 305
C. 51
D. 47

- 31 A movie theater sold 134 adult tickets. The number of adult tickets is 87 less than the number of child tickets. How many child tickets were sold?

A. 47
B. 221
C. 153
D. 211

32



About what is the length of the crayon?

A. $4\frac{3}{4}$ inches
B. $3\frac{3}{4}$ inches
C. 5 inches
D. $4\frac{1}{4}$ inches

- 33 The book fair sold 87 books on the first day and 51 books on the second day. Ms. Jones, the librarian, wants to sell 200 books in the first three days. How many books need to be sold on the third day?

A. 138
B. 62
C. 338
D. 132

- 34 Holly's class finishes lunch at the time shown on the clock.



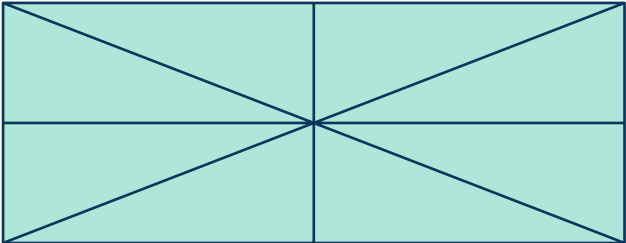
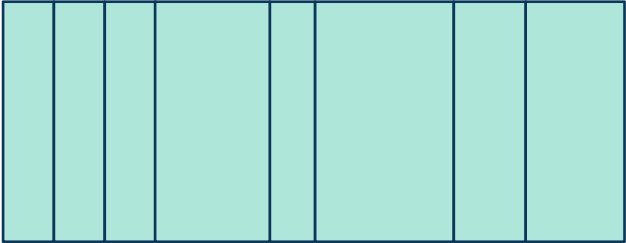
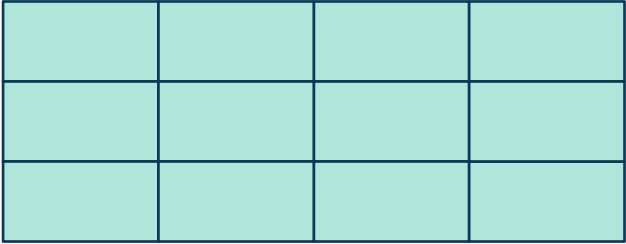
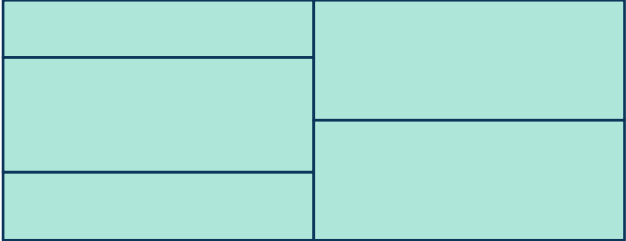
They spent 25 minutes eating lunch. What time did Holly's class start eating lunch?

A. 11:55
B. 12:20
C. 12:45
D. 12:55

35 Michelle has 8 lizards. Each lizard has 4 legs. Each leg has a foot with 5 toes. Which equation shows the total number of legs?

- A. 4×5
- B. 5×8
- C. 8×4
- D. 4×4

36 Which rectangle shows eighths?

- A. 
- B. 
- C. 
- D. 

- 37 A grocery store has 56 apples. They will be placed into 7 separate baskets. Each basket has the same amount of apples. Which equation can be used to find the number of apples in each basket?

A. $56 + 7 = ?$
B. $56 - 7 = ?$
C. $56 \times 7 = ?$
D. $56 \div 7 = ?$

- 38 Maylin has 24 meters of fence. What are the possible dimensions for a rectangular garden that Maylin can completely fence in?

A. 14 meters by 12 meters
B. 3 meters by 8 meters
C. 6 meters by 4 meters
D. 2 meters by 10 meters

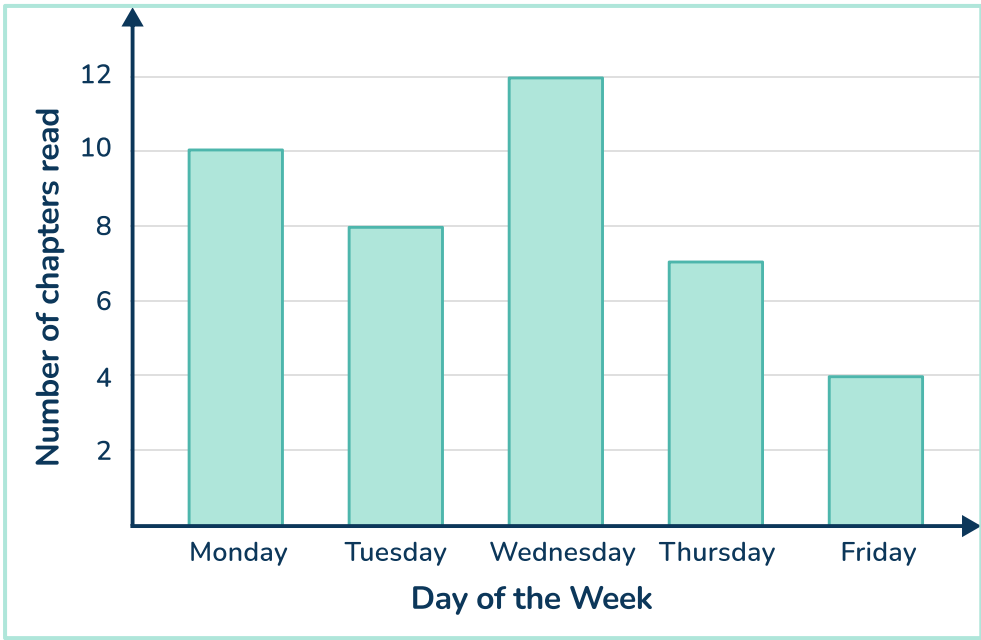
- 39 What are two ways you can arrange 18 buttons in equal rows?

A. 4 rows of 6 or 6 rows of 4
B. 2 rows of 9 or 9 rows of 2
C. 11 rows of 7 or 7 rows of 11
D. 1 row of 8 or 8 rows of 1

40 Which context can be represented by $36 \div 6$?

- A. Abner puts 6 carrots in each bag. He has 36 carrots.
- B. Abner bought 36 carrots. Ray bought 6 times as many carrots as Abner.
- C. There were 36 carrots. Then Abner ate 6 carrots.
- D. There were 6 carrots and Abner bought 36 more.

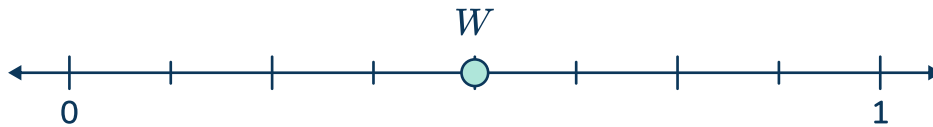
41 Kateryna recorded how many chapters she read each day last week.



How many chapters did Kateryna read last week?

- A. 40
- B. 20
- C. 41
- D. 21

42



Which fraction is greater than point W?

A. $\frac{4}{8}$

B. $\frac{2}{3}$

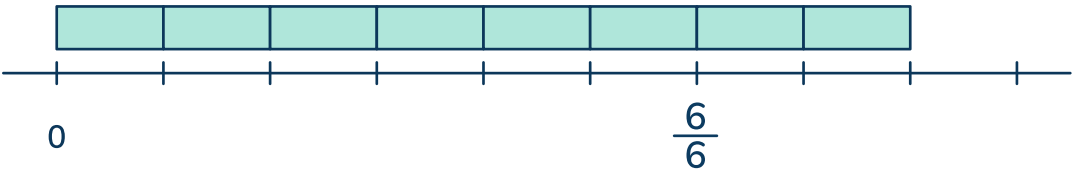
C. $\frac{2}{6}$

D. $\frac{1}{4}$

43 Sam eats $\frac{1}{3}$ of a small pizza. Who ate the same amount as Sam?

A. Russel ate $\frac{1}{3}$ of a medium pizza.B. Dillan ate $\frac{2}{4}$ of a small pizza.C. Naya ate $\frac{2}{6}$ of a small pizza.D. Callie ate $\frac{2}{3}$ of a medium pizza.

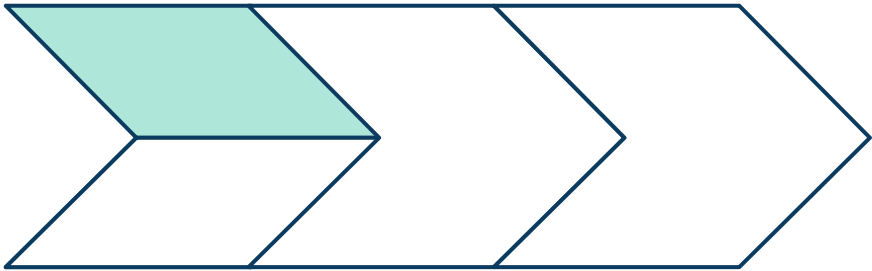
- 44 Tara has 8 index cards. Each card is $\frac{1}{6}$ of a foot long. She lines up all the cards and draws a number line below them.



Which is the length of the cards as a fraction?

- A. $\frac{4}{6}$ ft
- B. $\frac{8}{6}$ ft
- C. $\frac{6}{8}$ ft
- D. $\frac{1}{8}$ ft
-

- 45 What fraction of the figure is shaded?



- A. $\frac{1}{2}$
- B. $\frac{1}{4}$
- C. $\frac{1}{6}$
- D. $\frac{1}{8}$

Answer Key - Multiple Choice

Item number	Correct answer	Standard(s)	DOK
1	A	NC.3.MD.1	DOK 2
2	B	NC.3.OA.8	DOK 2
3	A	NC.3.MD.5	DOK 1
4	C	NC.3.OA.1	DOK 2
5	B	NC.3.NBT.3	DOK 1
6	A	NC.3.OA.2	DOK 2
7	A	NC.3.NF.4	DOK 2
8	C	NC.3.MD.3	DOK 2
9	C	NC.3.OA.9	DOK 2
10	D	NC.3.NF.2	DOK 2
11	D	NC.3.OA.3	DOK 2
12	B	NC.3.OA.8	DOK 2
13	A	NC.3.NF.1	DOK 2
14	C	NC.3.NBT.2	DOK 2
15	A	NC.3.MD.7	DOK 2
16	A	NC.3.MD.2	DOK 2
17	C	NC.3.NF.4	DOK 2
18	B	NC.3.G.1	DOK 1
19	C	NC.3.MD.7	DOK 2
20	C	NC.3.OA.6	DOK 1

North Carolina State Practice Math Test | Grade 3 | Answers

Item number	Correct answer	Standard(s)	DOK
21	A	NC.3.NBT.2	DOK 2
22	B	NC.3.NF.3	DOK 1
23	B	NC.3.OA.3	DOK 1
24	B	NC.3.MD.7	DOK 1
25	A	NC.3.G.1	DOK 2
26	D	NC.3.NF.3	DOK 1
27	A	NC.3.OA.3	DOK 2
28	C	NC.3.OA.8	DOK 2
29	D	NC.3.NF.2	DOK 2
30	A	NC.3.OA.8	DOK 2
31	B	NC.3.OA.2	DOK 2
32	B	NC.3.MD.2	DOK 1
33	B	NC.3.NBT.2	DOK 2
34	A	NC.3.MD.1	DOK 2
35	C	NC.3.OA.1	DOK 2
36	A	NC.3.NF.1	DOK 1
37	D	NC.3.OA.2	DOK 2
38	D	NC.3.MD.8	DOK 2
39	B	NC.3.OA.1	DOK 1
40	A	NC.3.OA.2	DOK 2

North Carolina State Practice Math Test | Grade 3 | Answers

Item number	Correct answer	Standard(s)	DOK
41	C	NC.3.MD.3	DOK 2
42	B	NC.3.NF.4	DOK 2
43	C	NC.3.NF.4	DOK 2
44	B	NC.3.NF.2, NC.3.MD.2	DOK 2
45	C	NC.3.NF.1	DOK 2

ANSWERS SORTED BY CCSS STRAND

OA			
Item number	Correct answer	Standard(s)	DOK
2	A	NC.3.OA.8	DOK 2
4	C	NC.3.OA.1	DOK 2
6	A	NC.3.OA.2	DOK 2
9	C	NC.3.OA.9	DOK 2
11	D	NC.3.OA.3	DOK 2
12	B	NC.3.OA.8	DOK 2
20	C	NC.3.OA.6	DOK 1
23	B	NC.3.OA.3	DOK 1
27	A	NC.3.OA.3	DOK 2
28	C	NC.3.OA.8	DOK 2
30	A	NC.3.OA.8	DOK 2
31	B	NC.3.OA.2	DOK 2
35	C	NC.3.OA.1	DOK 2
37	D	NC.3.OA.2	DOK 2
39	B	NC.3.OA.1	DOK 1
40	A	NC.3.OA.2	DOK 2

North Carolina State Practice Math Test | Grade 3 | Answers

NBT			
Item number	Correct answer	Standard(s)	DOK
5	B	NC.3.NBT.3	DOK 1
14	C	NC.3.NBT.2	DOK 2
21	A	NC.3.NBT.2	DOK 2
33	B	NC.3.NBT.2	DOK 2

NF			
Item number	Correct answer	Standard(s)	DOK
7	A	NC.3.NF.4	DOK 2
10	D	NC.3.NF.2	DOK 2
13	A	NC.3.NF.1	DOK 2
17	C	NC.3.NF.4	DOK 2
22	B	NC.3.NF.3	DOK 1
26	D	NC.3.NF.3	DOK 1
29	D	NC.3.NF.2	DOK 2
36	A	NC.3.NF.1	DOK 1
42	B	NC.3.NF.4	DOK 2
43	C	NC.3.NF.4	DOK 2
44	B	NC.3.NF.2, NC.3.MD.2	DOK 2
45	C	NC.3.NF.1	DOK 2

North Carolina State Practice Math Test | Grade 3 | Answers

MD			
Item number	Correct answer	Standard(s)	DOK
1	A	NC.3.MD.1	DOK 2
3	A	NC.3.MD.5	DOK 1
8	C	NC.3.MD.3	DOK 2
15	A	NC.3.MD.7	DOK 2
16	A	NC.3.MD.2	DOK 2
19	C	NC.3.MD.7	DOK 2
24	B	NC.3.MD.7	DOK 1
32	B	NC.3.MD.2	DOK 1
34	A	NC.3.MD.1	DOK 2
38	D	NC.3.MD.8	DOK 2
41	C	NC.3.MD.3	DOK 2

G			
Item number	Correct answer	Standard(s)	DOK
18	B	NC.3.G.1	DOK 1
25	A	NC.3.G.1	DOK 2

Do you have a group of students who need a boost in math?

Each student could receive a personalized lesson every week from our specialist one-on-one math tutors.

- ✓ Differentiated instruction for each student
- ✓ Aligned to your state's standard
- ✓ Scaffolded learning to close gaps

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