THIRD SPACE LEARNING

4th Grade South Carolina State Practice Math Test

South Carolina Practice Test
Grade 4

Grade 4

Questions

Name: ..... Class: .....

Date: ..... Score: .....

1 Which strategy correctly compares $\frac{3}{8}$ and $\frac{5}{12}$?

A. $\frac{9}{8} > \frac{10}{12}$

B. $\frac{9}{24} > \frac{10}{24}$

C. $\frac{9}{8} < \frac{10}{12}$

D. $\frac{9}{24} < \frac{10}{24}$

2 Maya has 6 red balloons. She has 4 times as many blue balloons as red balloons. How many red and blue balloons does Maya have in total?

A. 18

B. 30

C. 24

D. 36

3 Using the following rectangular array, Charlotte solves 62 x 19.

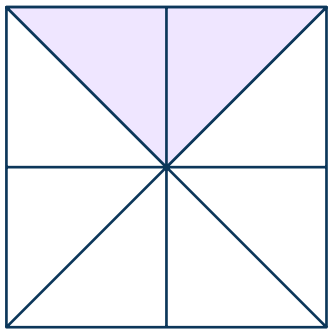
600	20
?	18

What missing number will complete Charlotte's array?

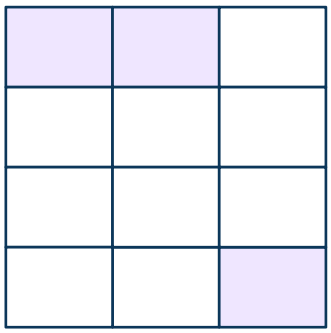
A. 10
B. 180
C. 540
D. 1,178

4 Two students were coloring the same size paper. They each colored a fraction of the paper.

Lyla's paper



James's Paper



Which is the correct comparison of the fractions colored?

A. $\frac{2}{8} = \frac{3}{12}$

B. $\frac{2}{8} < \frac{3}{12}$

C. $\frac{3}{12} > \frac{2}{8}$

D. $\frac{3}{12} + \frac{2}{8}$

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5 Zara has $\frac{3}{6}$ of a liter of water. Ravi has $\frac{5}{6}$ of a liter of water. How many liters of water do Zara and Ravi have together?

A. $\frac{8}{12}$

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

C. $1\frac{2}{6}$

D. $1\frac{2}{12}$

6 Solve 68 x 35 = ___

A. 2,074
B. 2,380
C. 2,580
D. 2,344

7 Which estimate will over round the sum of 26,408 and 78,910?

A. 30,000 + 80,000
B. 26,000 + 78,000
C. 20,000 + 70,000
D. 26,400 + 78,900

8 On Friday night's game there were 35,302 people in the stadium. On Saturday's night game there were 6,819 fewer people in the stadium than Friday night. How many people were in the stadium Friday and Saturday night?

A. 42,121
B. 77,423
C. 28,483
D. 63,785

9 Solve 5 x 120 = ____

A. 60
B. 600
C. 6,500
D. 650

10 Look at the pattern of figures below. If the pattern continues, how many squares will make up the figure 6?

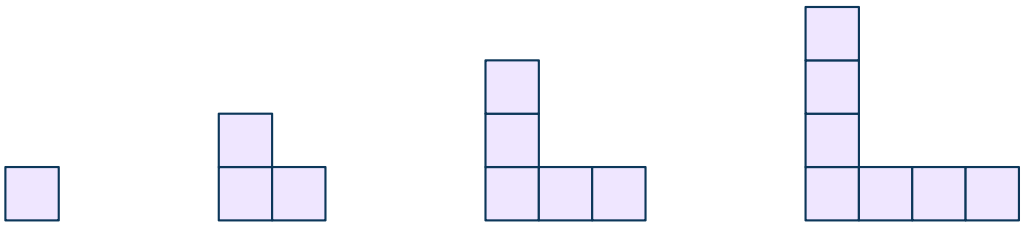
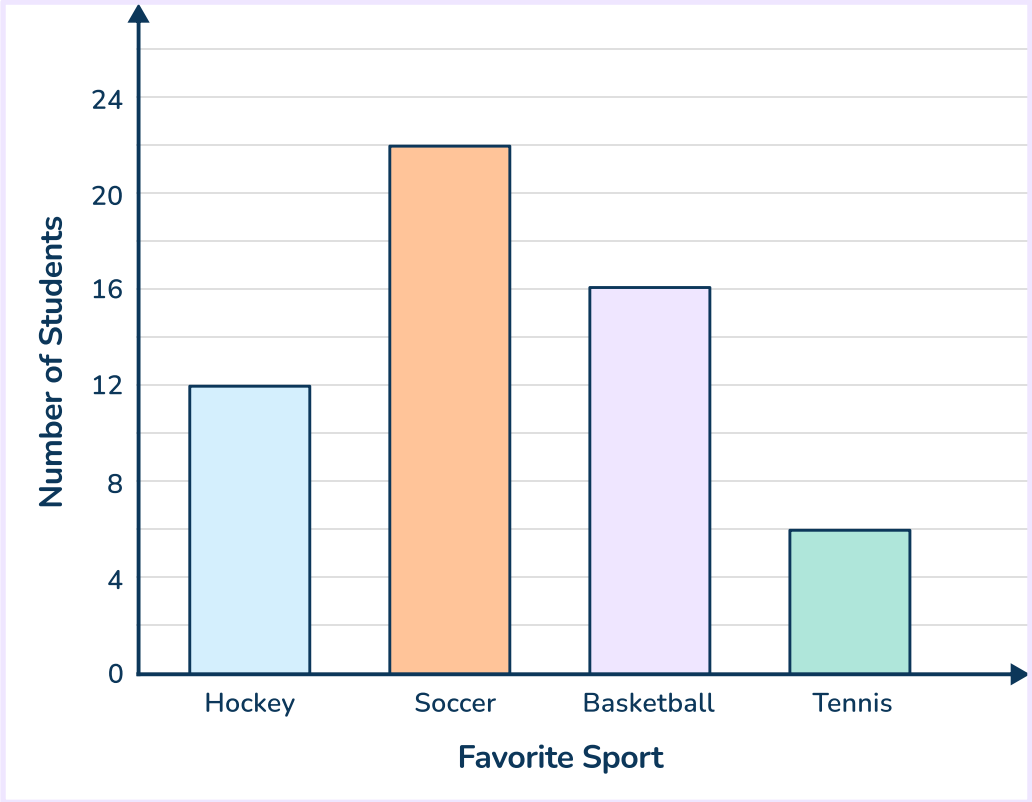


Figure 1 Figure 2 Figure 3 Figure 4

A. 11
B. 10
C. 9
D. 8

11 Students in 4th grade were asked about their favorite sport. The results are graphed below.



How many more students liked soccer than hockey?

A. 5
B. 12
C. 6
D. 10

12 Talia has 294 cookies. She is putting them into boxes. Each box holds 8 cookies. How many boxes of cookies can Talia completely fill?

A. 36
B. 302
C. 37
D. 6

13 Miguel biked $\frac{1}{5}$ of a kilometer. Kai biked 4 times as far as Miguel. How far did Kai bike, in kilometers?

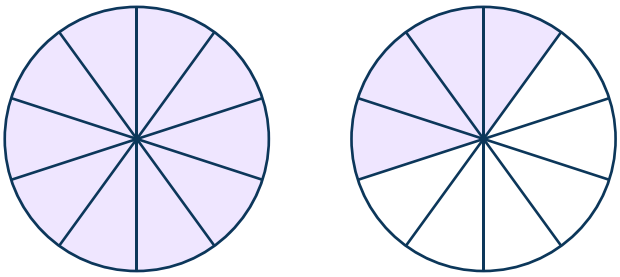
A. $\frac{1}{4}$

B. $\frac{4}{20}$

C. $\frac{4}{5}$

D. $\frac{5}{4}$

14



Which values are shown in the model? Select **all** the correct answers.

A. $\frac{10}{14}$

B. $\frac{14}{10}$

C. $\frac{20}{14}$

D. $1\frac{4}{10}$

E. $1\frac{4}{20}$

15 77,509 – 39,611 = ____

A. 37,898
B. 42,118
C. 48,991
D. 42,898

16 Which fraction is equivalent to $\frac{2}{5}$?

A. $\frac{1}{4}$
B. $\frac{15}{25}$
C. $\frac{8}{20}$
D. $\frac{7}{10}$

17 Hazel wants a new coloring book that costs $5. She checks her piggy bank and finds:

- 3 one-dollar bills
- 2 quarters
- 4 dimes
- 6 nickels

Does Hazel have enough money to buy the coloring book?

A. Yes, Hazel will have 2 extra dimes
B. No, Hazel still needs 8 more dimes
C. Yes, Hazel will have 4 extra nickels
D. No, Hazel still needs 1 quarter

18 Solve 2,304 ÷ 6 = ___

A. 382
B. 386
C. 348
D. 384

19 Over the summer, Farid read 15 books. Nila read 5 times as many books as Farid. Tori read 3 times fewer books than Nila.

Which equation shows how many books Tori read over in the summer?

A. 15 x 5 ÷ 3 =
B. 15 x 3 ÷ 5 =
C. 15 ÷ 5 x 3 =
D. 15 x 3 ÷ 5 =

20 Jarrod made a list of numbers from greatest to least. One number is missing from Jarrod's list.

2.44, ____, 1.39, 0.34

Which number is missing from Jarrod's list?

A. 0.41
B. 2.88
C. 1.77
D. 2.45

21 Which number is equal to 50,000,000 + 70,000 + 3,000 + 20 + 8?

A. 573,028
B. 50,073,028
C. 57,328
D. 50,073,208

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22 Three chocolate bars are shared equally between 8 people. What fraction of chocolate bar will each person get?

A. $\frac{1}{8}$
B. $\frac{8}{3}$
C. $\frac{1}{3}$
D. $\frac{3}{8}$

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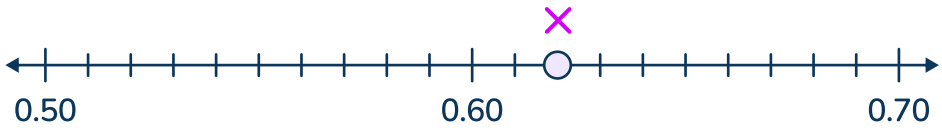
23 *8 fluid ounces = 1 cup*
How many cups are in 24 fluid ounces?

A. 3 cups
B. 16 cups
C. 32 cups
D. 192 cups

24 What is the value of point X?



A. $\frac{62}{100}$

B. $\frac{602}{10}$

C. $\frac{602}{100}$

D. $\frac{62}{10}$

25

Which names describe the shape? Select all the correct answers.

A. rhombus
B. quadrilateral
C. trapezoid
D. square
E. parallelogram

26 Solve $\frac{7}{100} + \frac{9}{10} =$ ___

A. $1\frac{6}{10}$

B. $1\frac{6}{100}$

C. $\frac{97}{100}$

D. $\frac{97}{10}$

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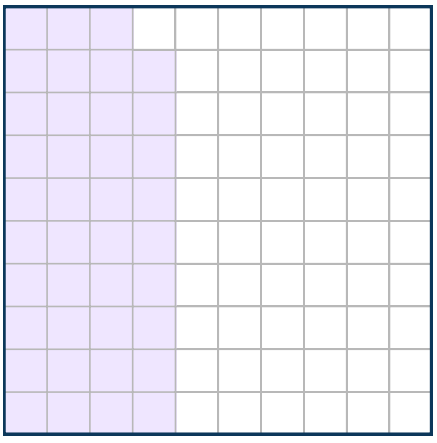
27 Carlos, Olivia and Bo wrote a decimal number less than 1.

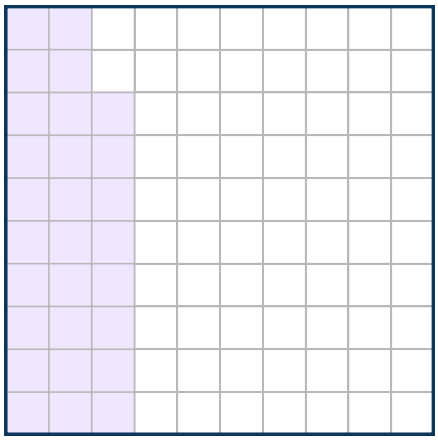
- Olivia's number is 0.39
- Carlos' number is 0.1 less than Olivia's
- Bo's number is greater than Carlos' but less than Olivia's

Which model shows Bo's number?

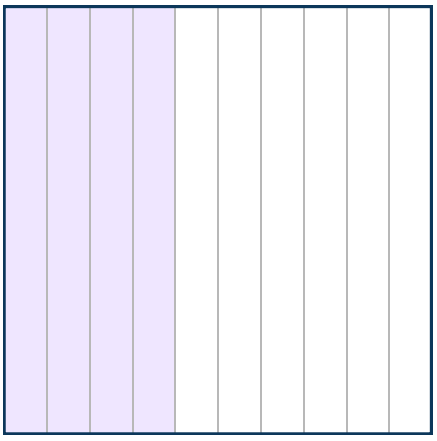
A.



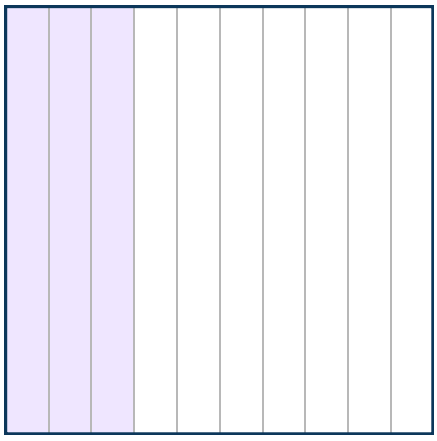
C.



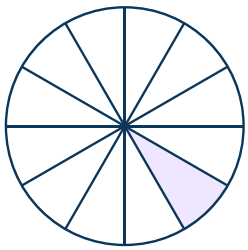
B.

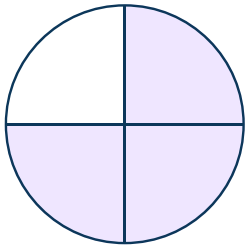


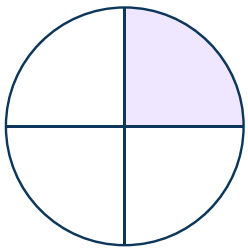
D.

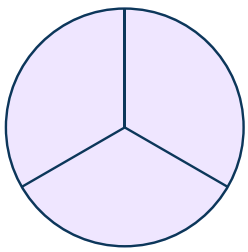
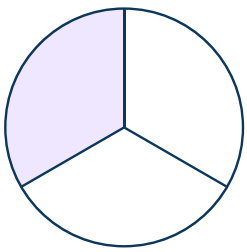


28 Choose the model that shows $3 \times \frac{1}{4}$.

A. 

B. 

C. 

D.  

29 Each input/output table is missing a value. Which tables are missing an 8? Select all the correct answers.

A.

Input	2	5	?	11
Output	10	15	17	19

B.

Input	30	12	16	8
Output	15	6	?	4

C.

Input	?	12	16	22
Output	2	3	7	13

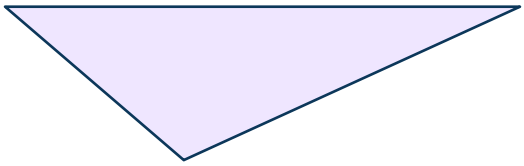
D.

Input	24	60	36	84
Output	2	5	3	?

30 Jacy is building a fence for a rectangular garden. The length of the garden is 15 meters, and Jacy wants the total perimeter to be 50 meters. What should the width of the garden be?

A. 130 meters
B. 35 meters
C. 20 meters
D. 10 meters

31



What is the name of the shape?

A. Obtuse scalene triangle
B. Rhombus
C. Right isosceles triangle
D. Irregular quadrilateral

32 Elias read for 15 minutes and played his video game for 21 minutes. Then he played outside. He started reading at 10:55 a.m. and stopped playing outside at 11:47 a.m. How long did he play outside?

A. 11 minutes
B. 8 minutes
C. 16 minutes
D. 36 minutes

33 Ovie and Evina are stacking blocks. Ovie's stack has 3 blocks, and Evina's stack has 15 blocks. How many times taller is Evina's stack compared to Ovie's?

A. 5
B. 18
C. 12
D. 45

34 Jemarr's rectangular farm is 21 meters by 18 meters. Each apple tree needs 7 square meters of space. How many apple trees can Jemarr have in his farm?

A. 46 apple trees
B. 2,646 apple trees
C. 378 apple trees
D. 54 apple trees

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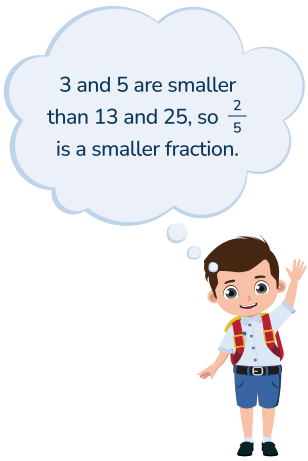
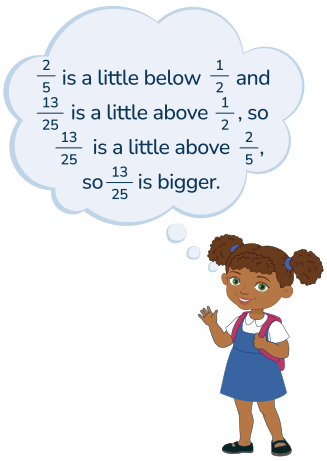
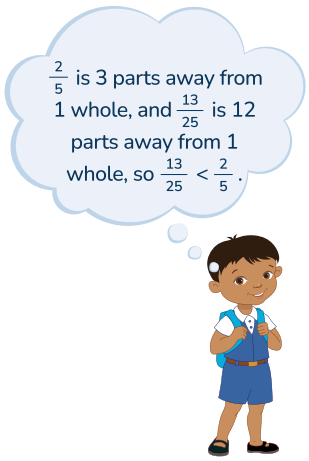
35 A class is comparing the fractions $\frac{2}{5}$ and $\frac{13}{25}$. Below are three students' responses.



Silas



Cynthia



Jeremy

Which student's answer and explanation is correct?

A. Silas
B. Cynthia
C. Jeremy
D. None of the students

36 Solve $\frac{7}{10} + \frac{8}{10} =$ ___

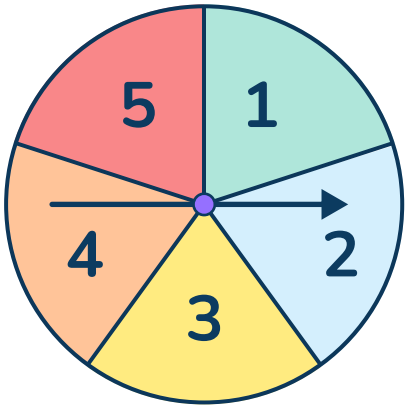
A. $1\frac{6}{10}$

B. $1\frac{5}{10}$

C. $\frac{15}{20}$

D. $\frac{15}{100}$

37 José and Rachel are playing a game with the spinner.



What is the probability that Rachel spins a 6?

A. never

B. possible

C. unlikely

D. certain

38 Maya divides a pizza into 12 equal slices. She eats $\frac{3}{12}$ of the pizza. How many slices of pizza does Maya eat?

A. $\frac{1}{4}$
B. $\frac{1}{12}$
C. 4
D. 3

39 Akiva says all numbers that end in 3 are prime. Which number proves Akiva is wrong?

A. 3
B. 13
C. 23
D. 33

40 Marcus had 1 whole watermelon. He ate $\frac{3}{12}$ of the watermelon on Monday and $\frac{4}{12}$ of the watermelon on Tuesday. What fraction of the watermelon was left after Tuesday?

A. $\frac{7}{12}$
B. $\frac{5}{12}$
C. $\frac{8}{12}$
D. $\frac{11}{12}$

41 Sunday it rained $\frac{2}{10}$ of an inch. Monday it rained $\frac{45}{100}$ of an inch. How many more inches did it rain on Monday?

A. $\frac{25}{100}$

B. $\frac{25}{10}$

C. $\frac{43}{100}$

D. $\frac{43}{10}$

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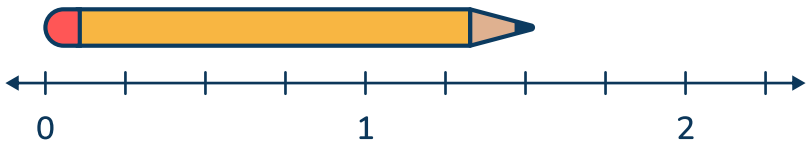
42 Which representations show $\frac{7}{4}$? Select all the correct answers.

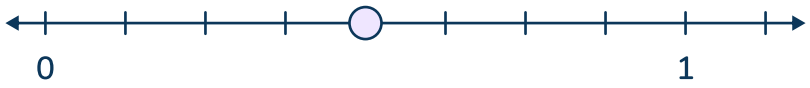
A. $1\frac{2}{4}$

B.

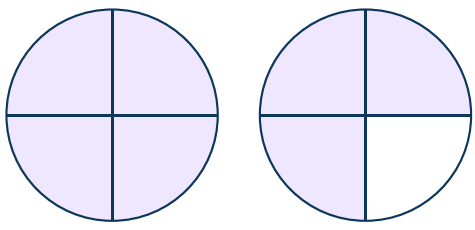


C. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

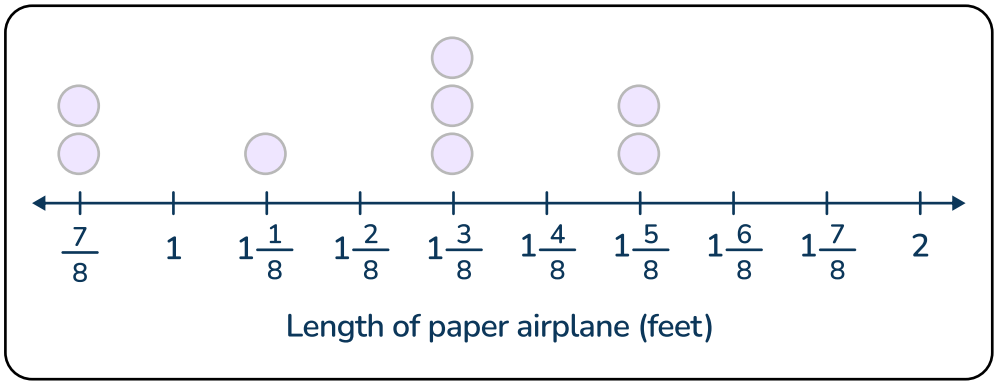
D.



E.



43 Lilia made some paper airplanes. She measured their length.



How many feet longer is the longest airplane than the shortest airplane?

A. 2

B. $\frac{6}{8}$

C. $\frac{2}{8}$

D. $1\frac{2}{8}$

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44 Which are factor pairs of the number 48? Select **all** the correct answers.

A. 2, 24

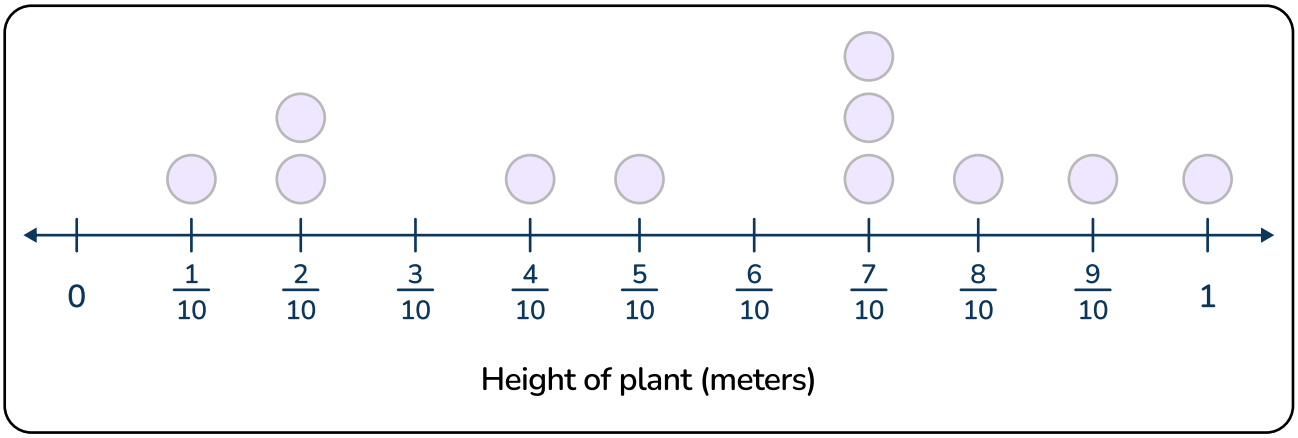
B. 4, 11

C. 6, 8

D. 3, 18

E. 9, 5

45 Adley measured some plants. Adley graphed the heights on the line plot.



How many different plants are shown on the line plot?

A. 8
B. 9
C. 10
D. 11

46 How do you read 43,006,790?

A. Forty three million six thousand seventy nine
B. Forty three six thousand seventy nine
C. Forty three million six thousand seven hundred ninety
D. Forty three six thousand seven hundred ninety

47 Meredith estimated 42 × 11 by rounding it to 40 × 10. Then she solved 42 × 11. Her answer for 42 × 11 was a little larger than her estimate. Why?

A. The estimate will always be a little larger than the answer.
B. She rounded the numbers 42 and 11 incorrectly.
C. Rounding both numbers down makes the estimate smaller than the answer.
D. Rounding is never a good way to estimate the answer.

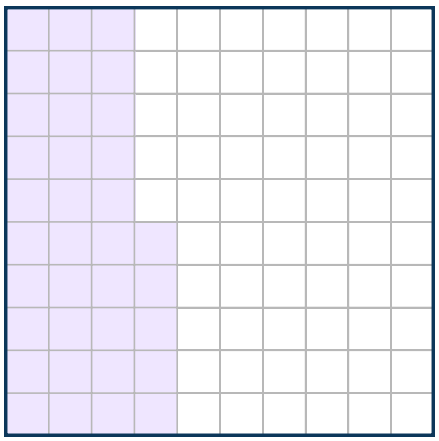
48 Which comparison is correct?

A. 56,780 < 54,997 < 55,081
B. 709,123 > 708,450, >708, 409
C. 812,086 < 813,071 < 809,082
D. 67,451 < 78,059 < 77,981

49 Which is the best estimate of 358,701 – 243,870?

A. 350,000 – 250,000
B. 400,000 – 200,000
C. 300,000 – 200,000
D. 400,000 – 250,000

50



What numbers does the model show? Select **all** the correct answers.

A. 3.5

B. 0.35

C. $\frac{35}{100}$

D. $\frac{35}{10}$

E. 35 hundredths

F. 35 tenths

Answer Key - Multiple Choice

Item number	Correct answer	Standard(s)	DOK
1	D	**4.NR.2.6**	DOK 2
2	B	**4.PAFR.3.3**	DOK 2
3	C	**4.PAFR.1.3**	DOK 2
4	A	**4.NR.2.6**	DOK 2
5	C	**4.PAFR.2.1**	DOK 2
6	B	**4.PAFR.1.3**	DOK 1
7	A	**4.NR.1.2**	DOK 2
8	D	**4.PAFR.3.4**	DOK 2
9	B	**4.PAFR.1.2**	DOK 1
10	A	**4.PAFR.3.2**	DOK 2
11	D	**4.DPSR.1.2**	DOK 2
12	A	**4.PAFR.1.4**	DOK 2
13	C	**4.PAFR.2.3**	DOK 2
14	B, D	**4.NR.2.5**	DOK 1
15	A	**4.PAFR.1.1**	DOK 1
16	C	**4.NR.2.3**	DOK 2
17	B	**4.MGSR.2.1**	DOK 2
18	D	**4.PAFR.1.4**	DOK 1
19	A	**4.PAFR.3.3**	DOK 3

Item number	Correct answer	Standard(s)	DOK
20	C	**4.NR.2.2**	DOK 2
21	B	**4.NR.1.1**	DOK 1
22	D	**4.PAFR.2.4**	DOK 2
23	A	**4.MGSR.2.5**	DOK 1
24	A	**4.NR.2.1**	DOK 2
25	B, E	**4.MGSR.3.2**	DOK 1
26	C	**4.PAFR.2.2**	DOK 1
27	D	**4.NR.2.2**	DOK 3
28	B	**4.PAFR.2.3**	DOK 1
29	B	**4.PAFR.3.2**	DOK 2
30	D	**4.MGSR.1.1**	DOK 2
31	A	**4.MGSR.3.1**	DOK 1
32	C	**4.MGSR.2.2**	DOK 2
33	A	**4.PAFR.3.3**	DOK 2
34	D	**4.MGSR.1.2, 4.PAFR.1.2, 4.PAFR.1.4**	DOK 2
35	B	**4.NR.2.6**	DOK 3
36	B	**4.PAFR.2.1**	DOK 1
37	A	**4.DPSR.2.1**	DOK 1
38	D	**4.NR.2.4**	DOK 2
39	D	**4.PAFR.3.1**	DOK 2

Item number	Correct answer	Standard(s)	DOK
40	B	**4.PAFR.2.1**	DOK 2
41	A	**4.PAFR.2.2**	DOK 2
42	C, E	**4.NR.2.4**	DOK 2
43	B	**4.DPSR.1.2**	DOK 2
44	A, C	**4.PAFR.3.1**	DOK 1
45	D	**4.DPSR.1.2**	DOK 2
46	C	**4.NR.1.1**	DOK 1
47	C	**4.NR.1.2**	DOK 3
48	B	**4.NR.1.3**	DOK 1
49	A	**4.NR.1.2**	DOK 2
50	B, C, E	**4.NR.2.1**	DOK 2

ANSWERS SORTED BY CCSS STRAND

Numerical Reasoning			
1	D	**4.NR.2.6**	DOK 2
4	A	**4.NR.2.6**	DOK 2
7	A	**4.NR.1.2**	DOK 2
14	B, D	**4.NR.2.5**	DOK 1
16	C	**4.NR.2.3**	DOK 2
20	C	**4.NR.2.2**	DOK 2
21	B	**4.NR.1.1**	DOK 1
24	A	**4.NR.2.1**	DOK 2
27	D	**4.NR.2.2**	DOK 3
35	B	**4.NR.2.6**	DOK 3
38	D	**4.NR.2.4**	DOK 2
42	C, E	**4.NR.2.4**	DOK 2
46	C	**4.NR.1.1**	DOK 1
47	C	**4.NR.1.2**	DOK 3
48	B	**4.NR.1.3**	DOK 1
49	A	**4.NR.1.2**	DOK 2
50	B, C, E	**4.NR.2.1**	DOK 2

Patterns, Algebra and Functional Reasoning			
2	B	**4.PAFR.3.3**	DOK 2
3	C	**4.PAFR.1.3**	DOK 2
5	C	**4.PAFR.2.1**	DOK 2
6	B	**4.PAFR.1.3**	DOK 1
8	D	**4.PAFR.3.4**	DOK 2
9	B	**4.PAFR.1.2**	DOK 1
10	A	**4.PAFR.3.2**	DOK 2
12	A	**4.PAFR.1.4**	DOK 2
13	C	**4.PAFR.2.3**	DOK 2
15	A	**4.PAFR.1.1**	DOK 1
18	D	**4.PAFR.1.4**	DOK 1
19	A	**4.PAFR.3.3**	DOK 3
22	D	**4.PAFR.2.4**	DOK 2
26	C	**4.PAFR.2.2**	DOK 1
28	B	**4.PAFR.2.3**	DOK 1
29	B	**4.PAFR.3.2**	DOK 2
33	A	**4.PAFR.3.3**	DOK 2
36	B	**4.PAFR.2.1**	DOK 1
39	D	**4.PAFR.3.1**	DOK 2
40	B	**4.PAFR.2.1**	DOK 2
41	A	**4.PAFR.2.2**	DOK 2
44	A, C	**4.PAFR.3.1**	DOK 1

Data, Probability and Statistical Reasoning			
11	D	**4.DPSR.1.2**	DOK 2
37	A	**4.DPSR.2.1**	DOK 1
43	B	**4.DPSR.1.2**	DOK 2
45	D	**4.DPSR.1.2**	DOK 2

Measurement, Geometry and Spatial Reasoning			
17	B	**4.MGSR.2.1**	DOK 2
23	A	**4.MGSR.2.5**	DOK 1
25	B, E	**4.MGSR.3.2**	DOK 1
30	D	**4.MGSR.1.1**	DOK 2
31	A	**4.MGSR.3.1**	DOK 1
32	C	**4.MGSR.2.2**	DOK 2
34	D	**4.MGSR.1.2, 4.PAFR.1.2, 4.PAFR.1.4**	DOK 2

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