THIRD SPACE LEARNING

4th Grade Georgia State Test

State Test Grade 4

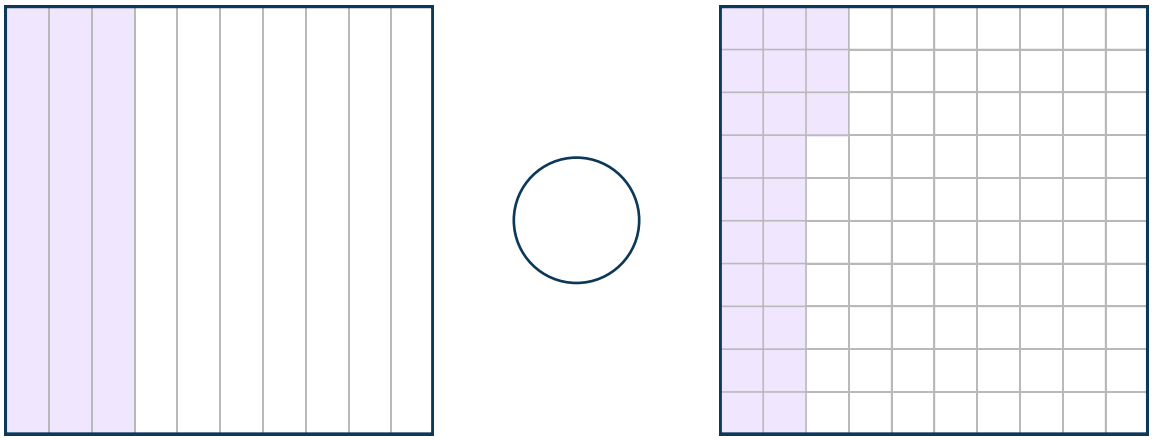
Grade 4

Questions

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

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

1 Which of the following statements correctly compares the two decimals shown below?



A. $3 < 23$
B. $0.3 > 0.023$
C. $0.03 < 0.23$
D. $0.3 > 0.23$

2 Which number is prime?

A. 9
B. 23
C. 18
D. 21

3 Using the following strategy, Colin solves 38 × 19.

```
   38
 × 19
  300  (30 × 10)
+ 270  (30 × 9)
+  ??  (? × ?)
+  72  (8 × 9)
```

What missing part will complete Colin's strategy?

A. 80 (8 × 10)
B. 240 (30 × 8)
C. 90 (9 × 10)
D. 720 (80 × 9)

---

4 Which set of numbers are all multiples of 4?

A. 24, 36, 48, 54
B. 1, 2, 4
C. 5, 9, 13, 17
D. 48, 52, 56, 64

5 $\frac{1}{3} > \square$

Which fraction makes the statement true?

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

B. $\frac{1}{2}$

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

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

---

6 Which equations are true? Select all that apply.

A. $\frac{3}{6} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$

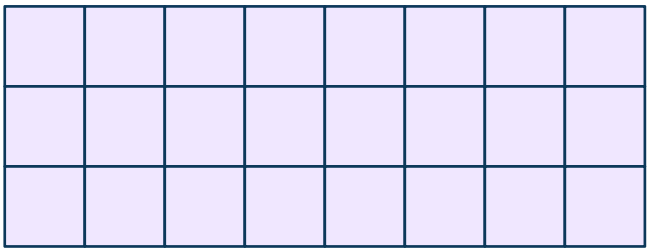
B. $\frac{3}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

C. $\frac{9}{8} = \frac{1}{8} + \frac{1}{8} + \frac{6}{8}$

D. $\frac{3}{5} = \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$

E. $\frac{3}{5} = \frac{1}{3} + \frac{1}{5}$

7



Write each equation or statement in the correct column.

Equal to the model	Not equal to the model

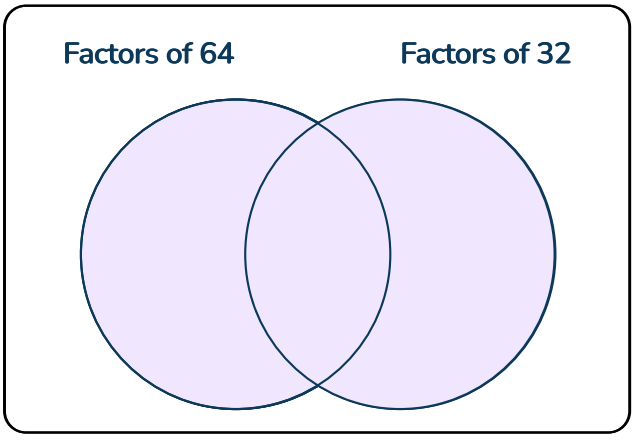
$4 \times d = 6$

6 times as many as 18

$8 \times 3 = d$

Twice as many as 12

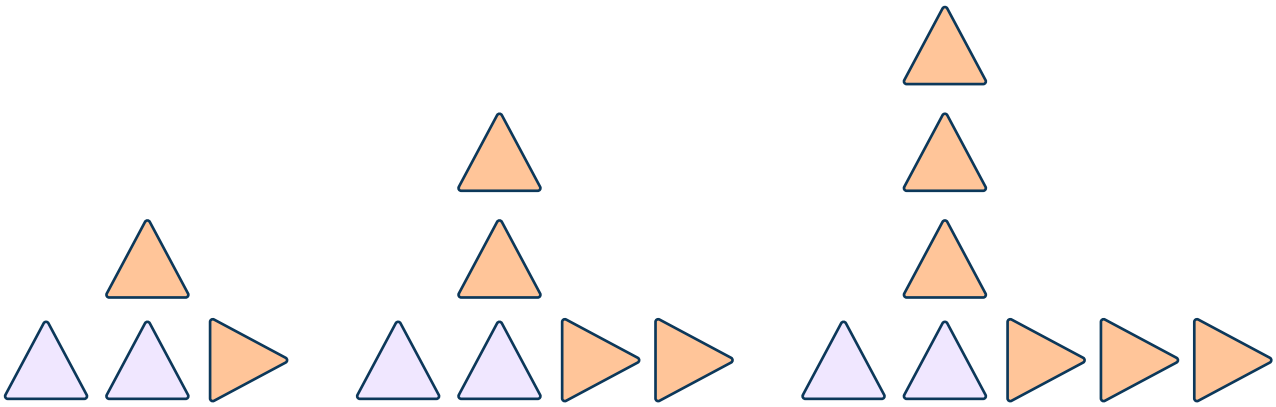
8 Examine the Venn diagram.



What is the greatest number that belongs in the middle of the Venn Diagram?

A. 2
B. 8
C. 32
D. 64

9



Stage 1 Stage 2 Stage 3

Use the rule, multiply by 2 and add 2 to find the total in Stage 5.

A. 14
B. 12
C. 10
D. 8

---

10 Which fraction is equivalent to $\frac{80}{100}$?

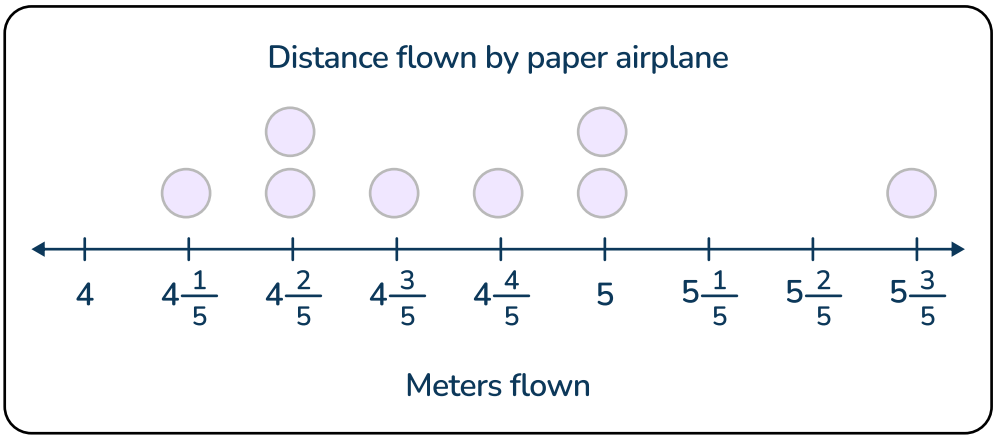
A. $\frac{4}{10}$

B. $\frac{8}{100}$

C. $\frac{8}{10}$

D. $\frac{4}{100}$

11 The line plot shows the distances that Terrence threw his paper airplane during a science experiment.



What is the difference between the shortest and longest distance Terrence threw his paper airplane last week?

A. $\frac{2}{5}$ meters

B. $1\frac{2}{5}$ meters

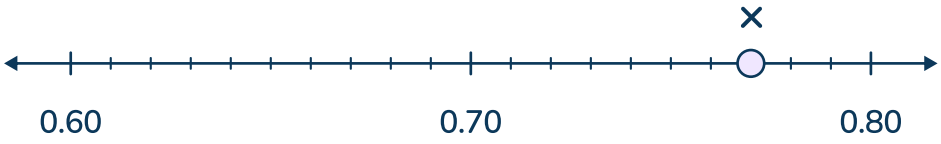
C. $\frac{4}{5}$ feet

D. $1\frac{3}{5}$ feet

12 Which of the following numbers round to 600 when rounded to the nearest hundred? Select all that apply.

A. 645
B. 687
C. 546
D. 485
E. 557

13 What is the value of point X on the number line below?



A. $\frac{70}{80}$

B. $\frac{77}{100}$

C. $\frac{7}{10}$

D. $\frac{7}{100}$

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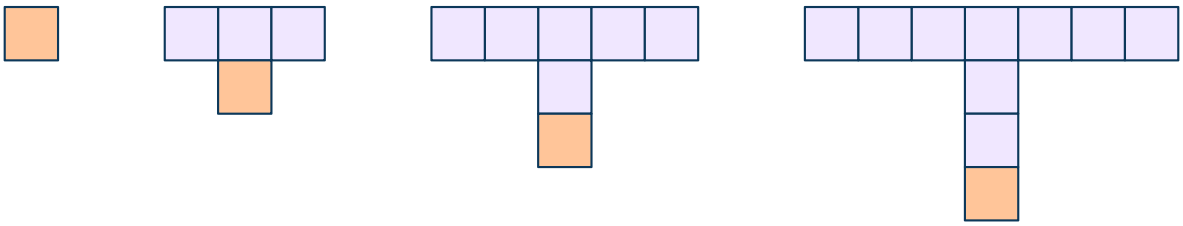
14 Look at the pattern of figures below.



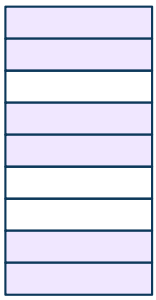
Fill in the missing values in the table.

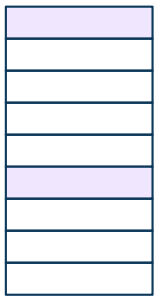
Stage	Purple	Orange	Total
1		1	1
		1	4
3	6	1	
	9	1	10

15 Which statement is true?

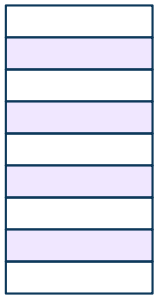
A. $6{,}590 > 6{,}900$
B. $3{,}409 > 3{,}904$
C. $20{,}007 < 20{,}030$
D. $17{,}340 < 17{,}890$

16 The shapes are divided into equal parts. Which shape is equivalent to $\frac{2}{3}$ shaded?

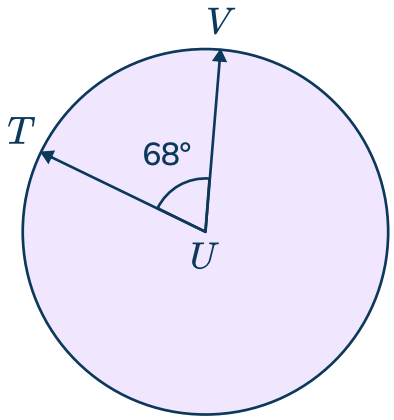
A. 

B. 

C. 

D. 

17



What is the fraction of the circle represented by angle TUV?

A. $\frac{1}{5}$

B. $\frac{68}{360}$

C. $\frac{22}{360}$

D. $\frac{22}{360}$

---

18 Starting number: 24

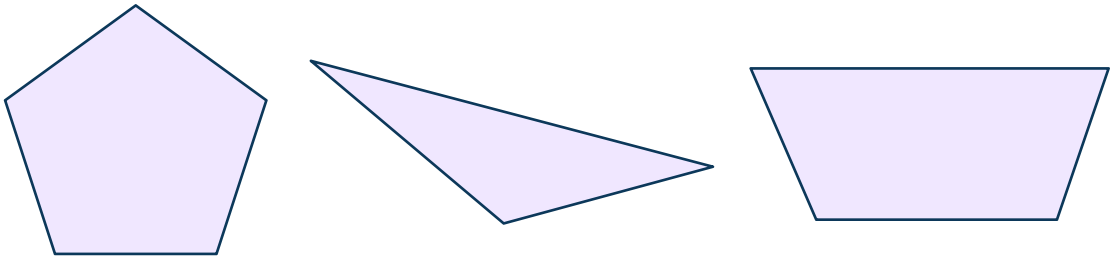
Rule: Divide by 2

Fill in the first three terms of the pattern using the numbers shown below.

____, ____, ____, ...

0 1 2 4 6 8 12 16 18 20 22 24 34 36 48

19 Tobias sorts these figures into the same group.



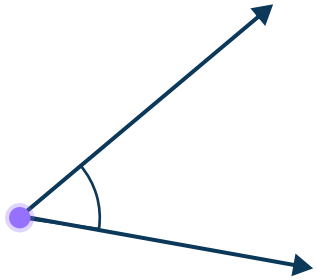
Which statement best describes the figures in this group?

A. Each figure has at least one acute angle.
B. Each figure has at least one pair of parallel sides.
C. Each figure has one line of symmetry.
D. Each figure has at least one obtuse angle.

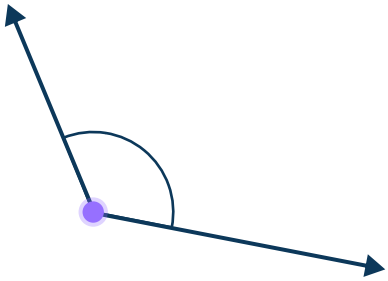
---

20 Which angles are acute? Select all that apply.

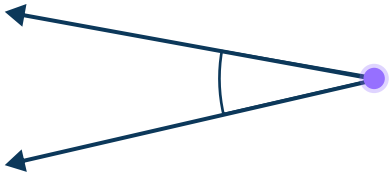
A.



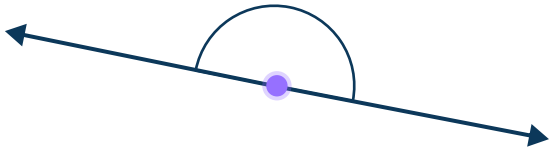
B.



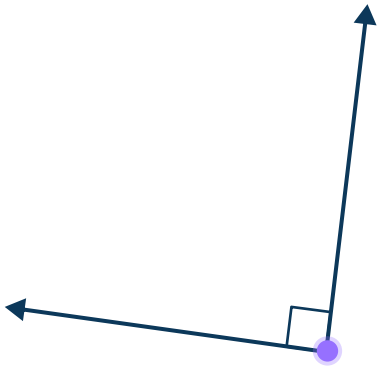
C.



D.



E.



21 Use the numbers to fill in each blank to show 76,089 in expanded form.

(_____ × _____) + (_____ × _____) + (_____ × _____) + (_____ × _____)

0	1	6	7	8	9	10	100	1,000	10,000

22 Tejah has four times as many stickers as Devon. Devon has 18 more stickers than Helena. If Helena has 46 stickers, how many does Tejah have?

A. 7 stickers
B. 256 stickers
C. 68 stickers
D. 828 stickers

23 Which table shows the relationship between gallons and quarts.
(1 gallon = 4 quarts)

A.

quarts	gallons
4	1
8	2
12	3

B.

quarts	gallons
1	4
2	8
3	12

C.

quarts	gallons
1	5
2	6
3	7

D.

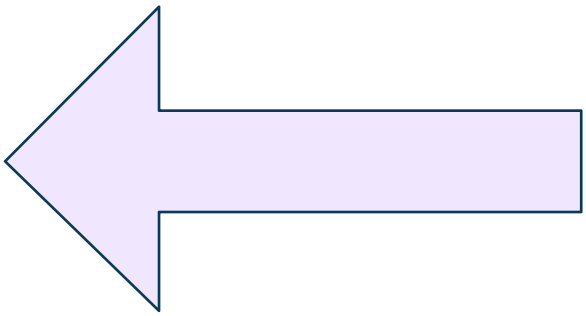
quarts	gallons
5	1
6	2
7	3

24 Plot a point on the number line that is larger than $\frac{7}{8}$.

25 Anya's soccer team is renting vans for a weekend trip. Each van fits 6 people. If 91 people are going on the trip, how many vans are needed?

A. 15 vans
B. 16 vans
C. 14 vans
D. 11 vans

26 How many line segments make up the polygon?



A. 9
B. 5
C. 7
D. 6

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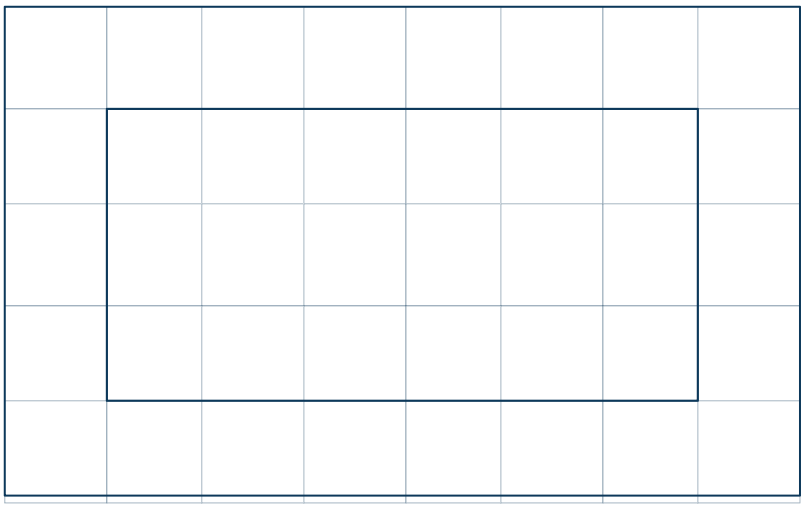
27 Geraldo is sharing half of a dog treat between his three dogs. Each dog gets the same size piece. Draw a mathematical representation that shows how much of the treat each dog gets.



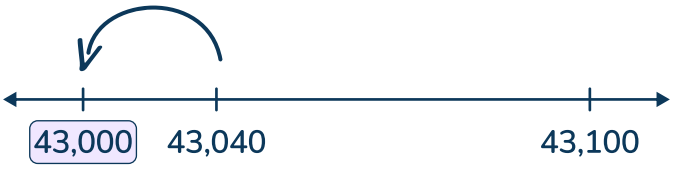
28 Which numbers are factors of 46? Select all that apply.

A. 6
B. 2
C. 8
D. 12
E. 46

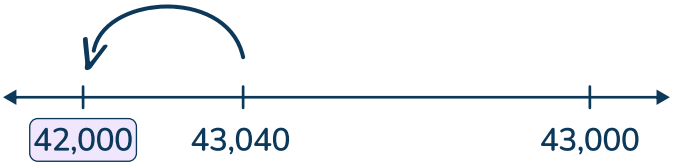
---

29 Which shows 43,040 rounded to the nearest hundred on a number line?

A.



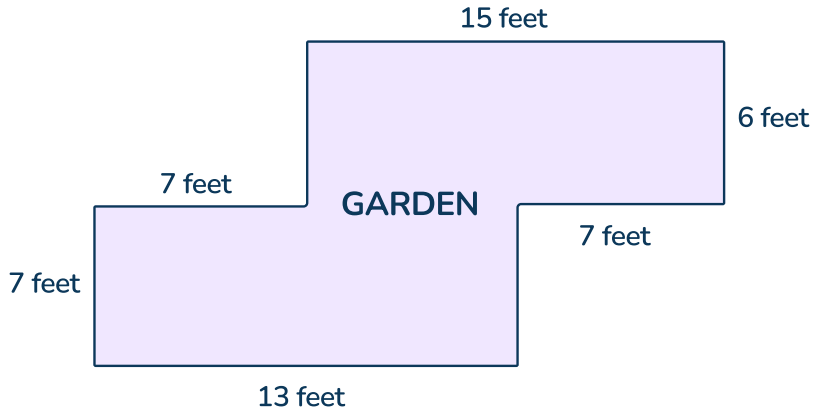
B.



C.

D.

30 Jazmin is putting a fence around her garden.



How much fencing does she need?

A. 56 feet
B. 180 feet
C. 68 feet
D. 84 feet

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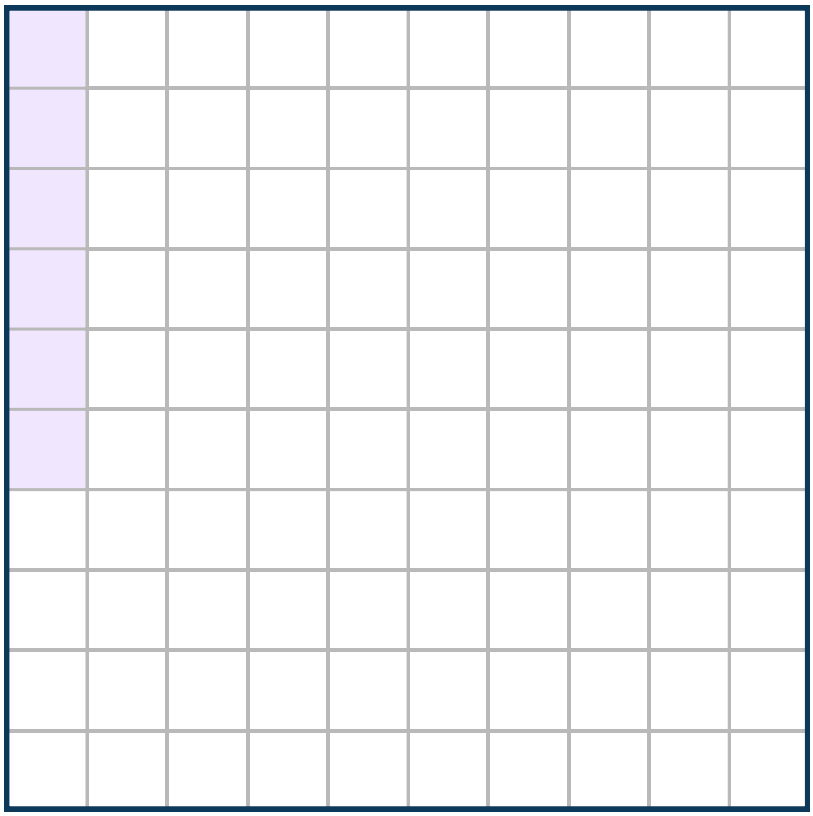
31 Complete the model to show the sum of $\frac{6}{100} + \frac{4}{10}$.



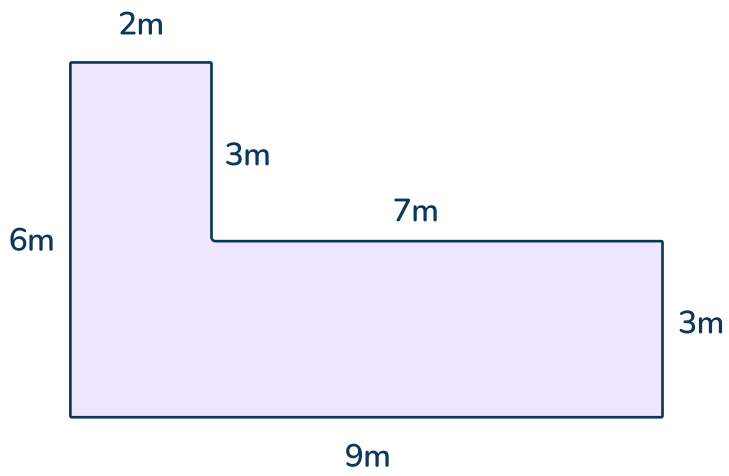
32 Eli read for 45 minutes. Then he played his video game for 1 hour, before he spent time eating lunch. If he started reading at 9:50 am and finished eating lunch at 12:05 pm, how long did he spend eating lunch?

A. 10 minutes
B. 15 minutes
C. 25 minutes
D. 30 minutes

33 Which statements are true? Select all that apply.

A. The digit 3 in 45,803 is ten times larger than in 8,435.
B. The digit 6 in 6,425 is ten times larger than in 45,602.
C. The digit 7 in 75,802 is one thousand times larger than in 8,725.
D. The digit 1 in 199,802 is one hundred times larger than in 15,425.
E. The digit 9 in 8,429 is one hundred times smaller than in 45,902.

34 What is the area of the figure?



A. 33 square meters
B. 30 square meters
C. 27 square meters
D. 39 square meters

---

35 Write each expression in the correct column.

Greater than 94,050	Equal to 94,050

47,456 + 48,007
96,433 – 2,383
(9 × 10,000) + (4 × 1,000) + (5 × 100)
90,000 + 4,000 + 50

36 Nathan has 6 cups of water. He uses $2\frac{7}{8}$ cups to water his snake plant. He uses $2\frac{5}{8}$ cups to water his spider plant. How much water is left?

A. $5\frac{4}{8}$ cups

B. $4\frac{4}{8}$ cups

C. $1\frac{4}{8}$ cups

D. $\frac{4}{8}$ cups

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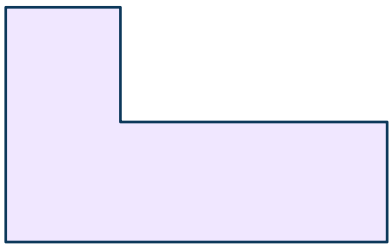
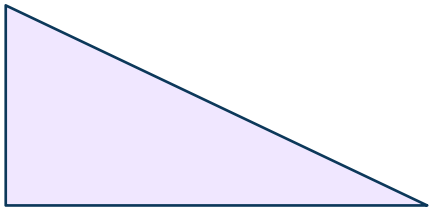
37 Which shape does NOT appear to have a right angle?

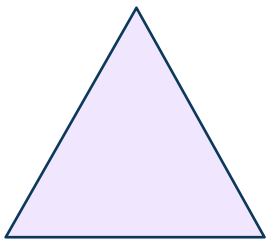
A.



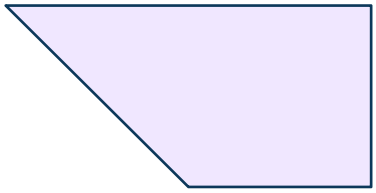
B.



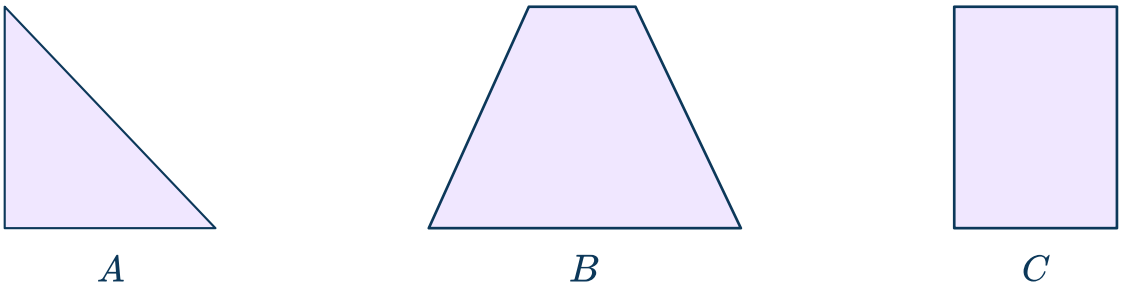
C.



D.



38 Which has both parallel and perpendicular sides?



A. Figure A
B. Figure B & C
C. Figure C
D. None of the figures

---

39 Solve 48,341 + 23,548.

A. 61,888
B. 71,889
C. 62,899
D. 72,889

40 Tyson had 1 whole watermelon. He ate $\frac{4}{12}$ of the watermelon on Monday, $\frac{3}{12}$ of the watermelon on Tuesday, and $\frac{2}{12}$ of the watermelon on Wednesday. What fraction of the watermelon was left after Wednesday?

A. $\frac{5}{12}$

B. $\frac{3}{12}$

C. $\frac{9}{12}$

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

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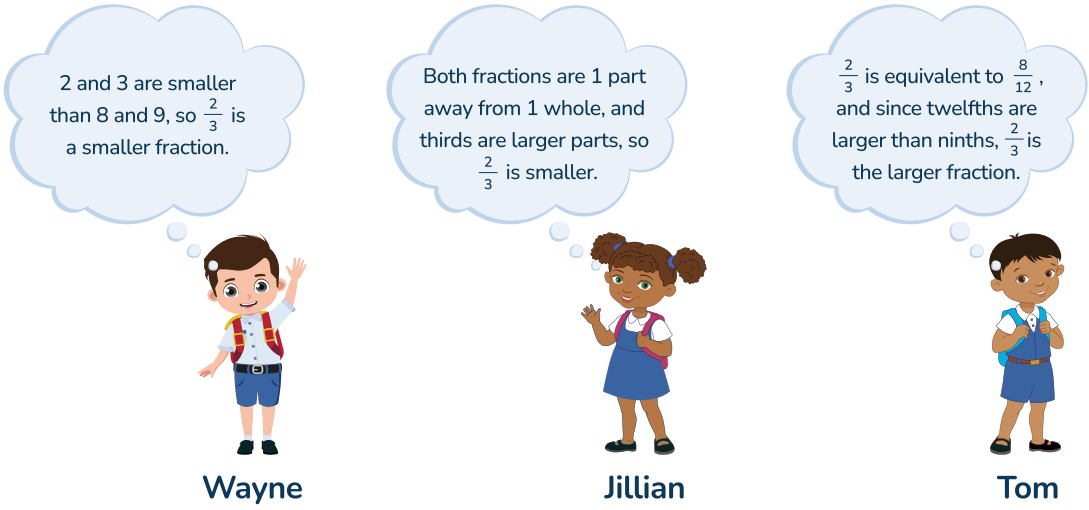
41 A class is comparing the fractions $\frac{2}{3}$ and $\frac{8}{9}$. Below are 3 students' responses.



Who is correct?

A. Wayne

B. Jillian

C. Tom

D. All students

42 Sunny is growing 8 plants. Sunny records the height of each plant (in feet):

$1\frac{1}{4}, \frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{1}{4}, \frac{2}{4}, 1\frac{1}{4}, 1\frac{3}{4}$.

Graph the height of Sunny's plants on the line plot below.

43 Harrison walked $\frac{5}{12}$ of an hour. Teelah walked $\frac{5}{6}$ of an hour. Which statement is true?

A. Harrison and Teelah walked the same amount of time.
B. Teelah and Harrison walked more than 2 hours.
C. Harrison walked for more time than Teelah.
D. Teelah walked for more time than Harrison

44 What is the best estimate for the length of an ant?

A. 1 centimeter
B. 10 centimeters
C. 1 meter
D. 10 meters

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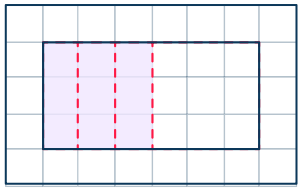
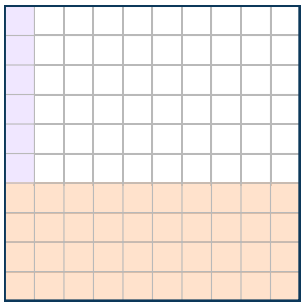
45 Solve 56 × 39.

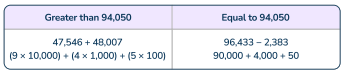
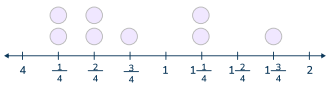
A. 2,034
B. 672
C. 2,184
D. 1,554

Answer Key

<table>
<tr><th>Item number</th><th>Correct answer</th><th>Standard(s)</th><th>DOK</th></tr>
<tr><td>1</td><td>D</td><td>4.NR.5.3</td><td>DOK 2</td></tr>
<tr><td>2</td><td>B</td><td>4.PAR.3.4</td><td>DOK 1</td></tr>
<tr><td>3</td><td>A</td><td>4.NR.2.3</td><td>DOK 2</td></tr>
<tr><td>4</td><td>D</td><td>4.PAR.3.3</td><td>DOK 1</td></tr>
<tr><td>5</td><td>A</td><td>4.NR.4.2</td><td>DOK 1</td></tr>
<tr><td>6</td><td>B</td><td>4.NR.4.4, 4.NR.4.5</td><td>DOK 1</td></tr>
<tr><td>7</td><td><table><tr><th>Equal to the model</th><th>Not equal to the model</th></tr><tr><td>$8 \times 3 = d$
Twice as many as 12</td><td>$4 \times d = 6$
6 times as many as 18</td></tr></table></td><td>4.NR.2.2, 4.NR.2.5</td><td>DOK 2</td></tr>
<tr><td>8</td><td>C</td><td>4.PAR.3.3</td><td>DOK 2</td></tr>
<tr><td>9</td><td>B</td><td>4.PAR.3.1</td><td>DOK 1</td></tr>
<tr><td>10</td><td>C</td><td>4.NR.5.1</td><td>DOK 1</td></tr>
<tr><td>11</td><td>B</td><td>4.MDR.6.2</td><td>DOK 2</td></tr>
<tr><td>12</td><td>A, E</td><td>4.NR.1.4</td><td>DOK 1</td></tr>
<tr><td>13</td><td>B</td><td>4.NR.5.2</td><td>DOK 2</td></tr>
<tr><td>14</td><td><table><tr><th>Stage</th><th>Blue</th><th>Green</th><th>Total</th></tr><tr><td>1</td><td>0</td><td>1</td><td>1</td></tr><tr><td>2</td><td>3</td><td>1</td><td>4</td></tr><tr><td>3</td><td>6</td><td>1</td><td>7</td></tr><tr><td>4</td><td>9</td><td>1</td><td>10</td></tr></table></td><td>4.PAR.3.2</td><td>DOK 2</td></tr>
<tr><td>15</td><td>C, D</td><td>4.NR.1.3</td><td>DOK 1</td></tr>
<tr><td>16</td><td>A</td><td>4.NR.4.1</td><td>DOK 2</td></tr>
<tr><td>17</td><td>B</td><td>4.GSR.7.2</td><td>DOK 1</td></tr>
</table>

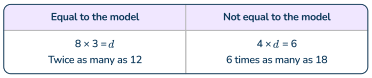
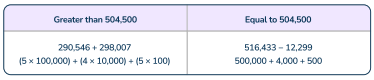
Item number	Correct answer	Standard(s)	DOK
18	24, 12, 6...	**4.PAR.3.1**	DOK 2
19	D	**4.GSR.8.2**	DOK 2
20	A, C	**4.GSR.7.1**	DOK 1
21	(7 × 10,000) + (6 × 1,000) + (8 × 10) + (9 × 1)	**4.NR.1.1**	DOK 2
22	B	**4.NR.2.5, 4.NR.2.2**	DOK 2
23	A	**4.MDR.6.1**	DOK 1
24		**4.NR.4.3**	DOK 2
25	B	**4.NR.2.4**	DOK 2
26	C	**4.GSR.8.1**	DOK 1
27		**4.NR.4.1**	DOK 2
28	B, E	**4.PAR.3.3**	DOK 1
29	A	**4.NR.1.4**	DOK 2
30	C	**4.GSR.8.3**	DOK 2
31	 *Answers may vary, but should shade in $\frac{40}{100}$	**4.NR.5.1**	DOK 2

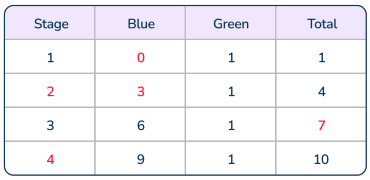
Georgia State Test | Grade 4 | Answers

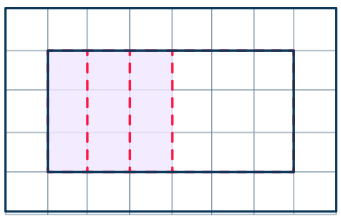
Item number	Correct answer	Standard(s)	DOK
32	D	**4.MDR.6.1**	DOK 2
33	B, E	**4.NR.1.2**	DOK 1
34	A	**4.GSR.8.3**	DOK 2
35		**4.NR.1.1, 4.NR.2.1**	DOK 2
36	D	**4.NR.4.6**	DOK 2
37	C	**4.GSR.8.2**	DOK 1
38	C	**4.GSR.8.2**	DOK 2
39	B	**4.NR.2.1**	DOK 1
40	B	**4.NR.4.6**	DOK 2
41	B	**4.NR.2.4**	DOK 3
42		**4.MDR.6.3**	DOK 2
43	D	**4.NR.4.2**	DOK 2
44	A	**4.MDR.6.1**	DOK 2
45	C	**4.NR.2.3**	DOK 1

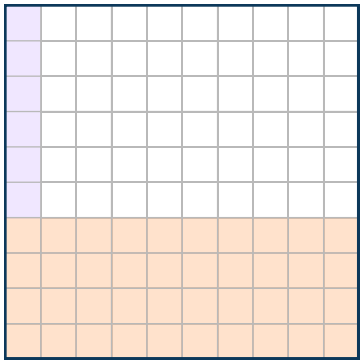
ANSWERS SORTED BY COMPETENCIES

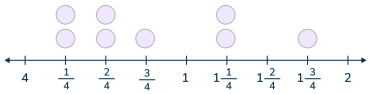
4.NR.1 (Numerical Reasoning Competency 1)			
12	A, E	**4.NR.1.4**	DOK 1
15	C, D	**4.NR.1.3**	DOK 1
21	(7 × 10,000) + (6 × 1,000) + (8 × 10) + (9 × 1)	**4.NR.1.1**	DOK 2
29	A	**4.NR.1.4**	DOK 2
33	B, E	**4.NR.1.2**	DOK 1

3.PAR.2 (Patterning & Algebraic Reasoning Competency 2)			
3	A	**4.NR.2.3**	DOK 2
7		**4.NR.2.2, 4.NR.2.5**	DOK 2
22	B	**4.NR.2.5, 4.NR.2.2**	DOK 2
25	B	**4.NR.2.4**	DOK 2
35		**4.NR.1.1, 4.NR.2.1**	DOK 2
39	B	**4.NR.2.1**	DOK 1
41	B	**4.NR.2.4**	DOK 3
45	C	**4.NR.2.3**	DOK 1

4.PAR.3 (Patterning & Algebraic Reasoning Competency 3)			
2	B	**4.PAR.3.4**	DOK 1
4	D	**4.PAR.3.3**	DOK 1
8	C	**4.PAR.3.3**	DOK 2
9	B	**4.PAR.3.1**	DOK 1
14		**4.PAR.3.2**	DOK 2
18	24, 12, 6...	**4.PAR.3.1**	DOK 2
28	B, E	**3.PAR.3.6**	DOK 1

4.NR.4 (Numerical Reasoning Competency 4)			
5	A	**4.NR.4.2**	DOK 1
6	B	**4.NR.4.4, 4.NR.4.5**	DOK 1
16	A	**4.NR.4.1**	DOK 2
24		**4.NR.4.3**	DOK 2
27		**4.NR.4.1**	DOK 2
36	D	**4.NR.4.6**	DOK 2
40	B	**4.NR.4.6**	DOK 2
43	D	**4.NR.4.2**	DOK 2

4.NR.5 (Numerical Reasoning Competency 5)			
1	D	**4.NR.5.3**	DOK 2
10	C	**4.NR.5.1**	DOK 1
13	B	**4.NR.5.2**	DOK 2
31	 *Answers may vary, but should shade in $\frac{40}{100}$	**4.NR.5.1**	DOK 2

4.MDR.6 (Measurement and Data Reasoning Competency 6)			
11	B	**4.MDR.6.2**	DOK 2
23	A	**4.MDR.6.1**	DOK 1
32	D	**4.MDR.6.1**	DOK 2
42		**4.MDR.6.3**	DOK 2
44	A	**4.MDR.6.1**	DOK 2

4.GSR.7 (Geometric and Spatial Reasoning Competency 7)			
17	B	**4.GSR.7.2**	DOK 1
20	A, C	**4.GSR.7.1**	DOK 1

4.GSR.8 (Geometric and Spatial Reasoning Competency 8)			
19	D	**4.GSR.8.2**	DOK 2
26	C	**4.GSR.8.1**	DOK 1
30	C	**4.GSR.8.3**	DOK 2
34	A	**4.GSR.8.3**	DOK 2
37	C	**4.GSR.8.2**	DOK 1
38	C	**4.GSR.8.2**	DOK 2

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