THIRD SPACE LEARNING

5th Grade Georgia State Test

State Test Grade 5

Grade 5

Questions

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

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

The table below lists the prices of some of the top selling fruits at the grocery store.

Item	Size	Price
Bananas	1 bunch	$0.72
Blueberries	10 oz container	$3.99
Strawberries	16 oz container	$4.89
Avocado	1 avocado	$1.29
Watermelon	1 watermelon	$1.87
Oranges	4 lb bag	$5.75

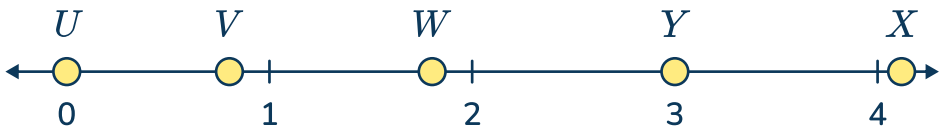
1 How much would it cost to buy a watermelon, 1 bunch of bananas and a 4 lb bag of oranges?

A. $14.82
B. $6.24
C. $3.88
D. $8.34

2 Joey has 4 pieces of string. Order the strings in length from least to greatest:
550 centimeters, 4.5 meters, 600 millimeters, 30 centimeters

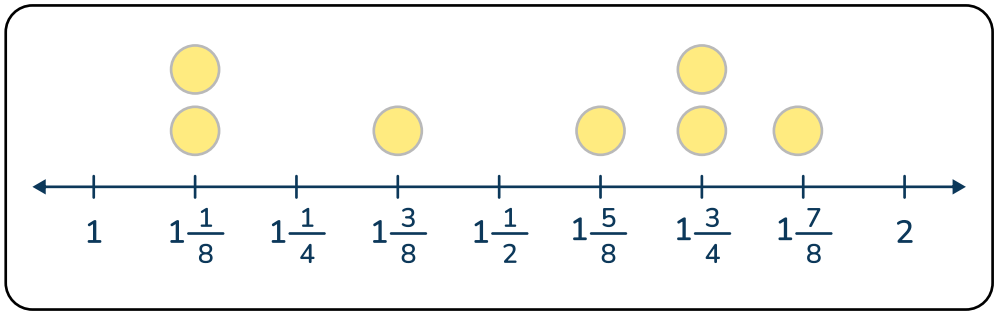
_____, _____, _____, _____

3 A certain fraction is greater than 0 and less than 1. When that fraction is multiplied by 4, which point(s) on the number line could be the answer? Select all the correct answers.



A. Point U
B. Point V
C. Point W
D. Point X
E. Point Y

4 The line plot below shows the heights of Jamal's plants in inches. What is the total height, in inches, of the 3 tallest plants?



A. $5\frac{5}{8}$ inches

B. $3\frac{13}{16}$ inches

C. 5 inches

D. $5\frac{3}{8}$ inches

---

5 Jamal has 3 five-packs of pens and 6 three-packs of pens. Which expression shows how many pens Jamal has in all?

A. 3×6

B. $3 \times 5 \times 6$

C. $(3 \times 5) + (6 \times 3)$

D. $(3 + 5) \times 6$

6 Noah uses $\frac{3}{4}$ yards of string to make bracelets. Jeremiah uses $\frac{2}{3}$ yards of string. How much less string did Jeremiah use?

A. $\frac{2}{3}$ yards

B. $\frac{1}{12}$ cubic yards

C. $1\frac{5}{12}$ cubic yards

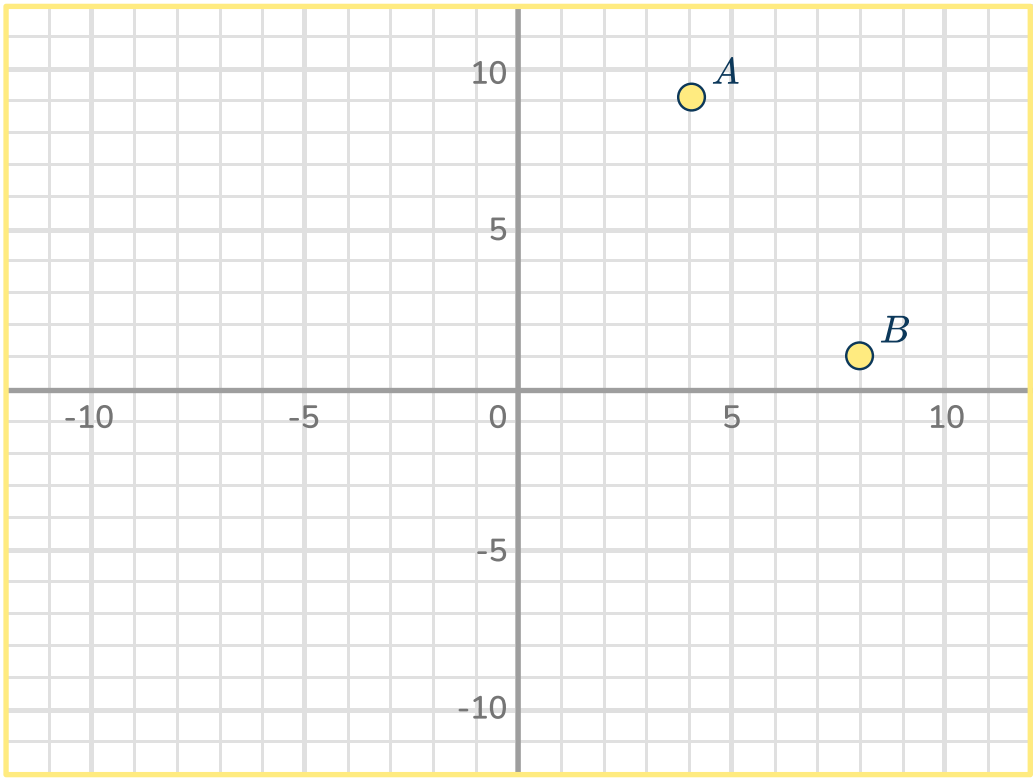
D. $\frac{1}{2}$ cubic yards

---

7 Mackenzie is picking out a new microwave. She wants the microwave to take up between 1,200 to 1,500 cubic inches. Which dimensions fit Mackenzie's requirements? Select all that apply.
(Volume = length × width × height)

A. 11 inches long, 14 inches wide, 10 inches tall
B. 10 inches long, 12 inches wide, 11 inches tall
C. 15 inches long, 15 inches wide, 10 inches tall
D. 9 inches long, 14 inches wide, 10 inches tall
E. 10 inches long, 11 inches wide, 10 inches tall

8



Which ordered pair creates a right triangle?

A. C (1, 4)
B. C (3, 1)
C. C (9, 10)
D. C (8, 9)

---

9 Mikah has $\frac{1}{4}$ of a cup of fish food. He uses it to feed 5 fish equally. How much food does each fish get?

A. $\frac{1}{20}$ of a cup

B. $\frac{5}{4}$ of a cup

C. 20 cups

D. $\frac{1}{9}$ of a cup

10 Write the answer in the blank.

What is 1.0392 rounded to the nearest hundredth?

_____

11 Which description is equivalent to 12 ÷ (6 – 2).

A. divide 12 by 6, then subtract 2
B. subtract 6 and from 2, then divide by 12
C. subtract 2 from 6, then divide 12 by the difference
D. divide 6 by 2, then subtract 12

12 The table below shows the time it took four runners to complete a mile.

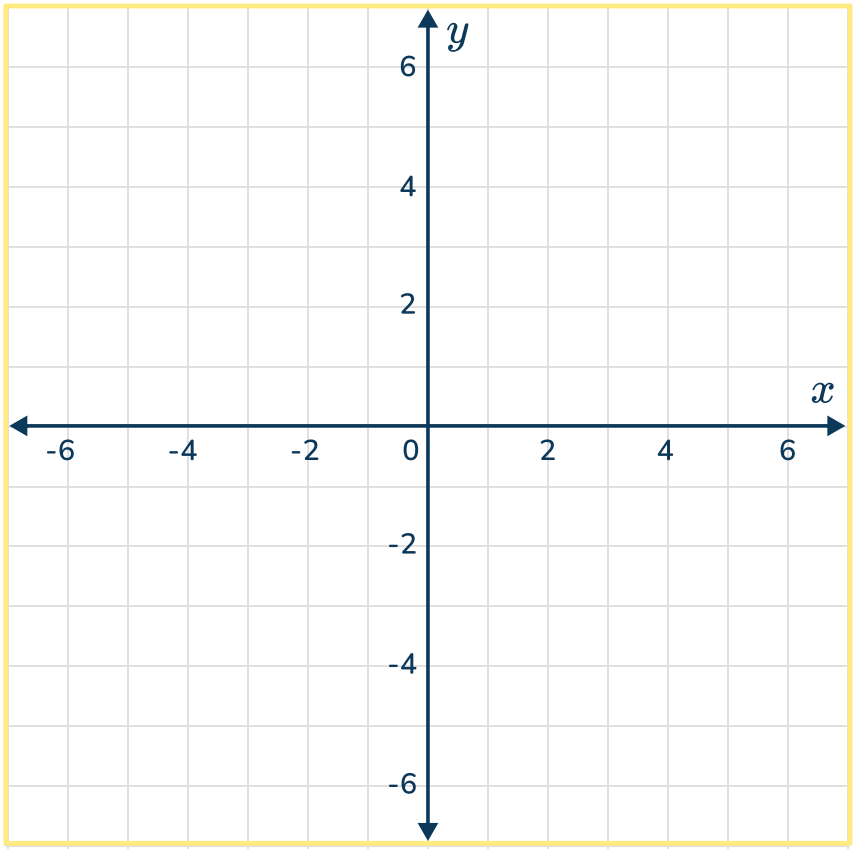
Runner	Time (minutes)
1	8.42
2	7.194
3	7.24
4	8.4

Which comparison of these times is NOT correct?

A. $8.4 < 8.42$
B. $7.4 > 7.14$
C. $7.194 < 8.4$
D. $7.194 > 7.24$

---

13 Plot the points F (3, 4) and E (0, 6) on the coordinate grid below.



14 Twenty-one chocolate bars are shared equally between 5 people. How many chocolate bars will each person get?

A. $4\frac{1}{5}$

B. $\frac{5}{21}$

C. $5\frac{1}{4}$

D. 4

---

15 What number is equal to $3 \times 10 + 6 \times (\frac{1}{100}) + 4 \times (\frac{1}{1000})$?

A. 3.64
B. 30.064
C. 30.64
D. 3.064

16 Tyrese solved the following equation:

$\frac{2}{5} + \frac{3}{4} = \frac{5}{9}$

Does Tyrese's equation make sense?

A. No, both $\frac{2}{5}$ and $\frac{3}{4}$ are close to $\frac{1}{2}$, so their sum is close to 1, but $\frac{5}{9}$ is close to $\frac{1}{2}$.

B. Yes, because 5 parts are greater than 2 or 3 and ninths are greater than fifths or fourths.

C. No, you cannot add fractions with uncommon denominators, so there is no answer.

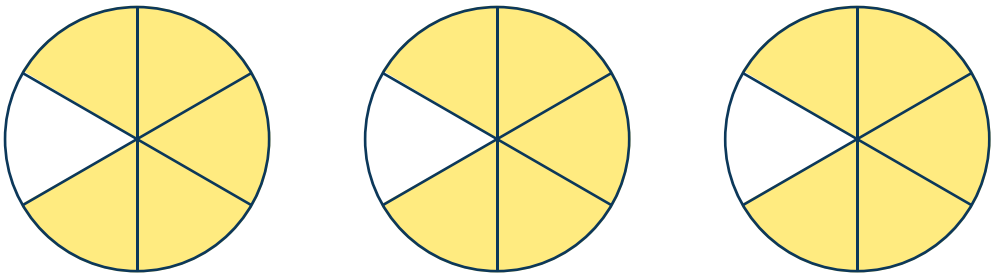
D. Yes, because $\frac{5}{9}$ is a little over $\frac{1}{2}$ and $\frac{2}{5}$ is a little under $\frac{1}{2}$, so $\frac{5}{9}$ is greater.

---

17 What is 702.203 rounded to the nearest tenth?

A. 700.0
B. 702.2
C. 702.300
D. 700.203

18



Which equation represents the shaded area of all the circles?

A. $3 \times \frac{5}{6} = \frac{5}{18}$

B. $3 \times \frac{1}{6} = \frac{3}{6} = \frac{1}{2}$

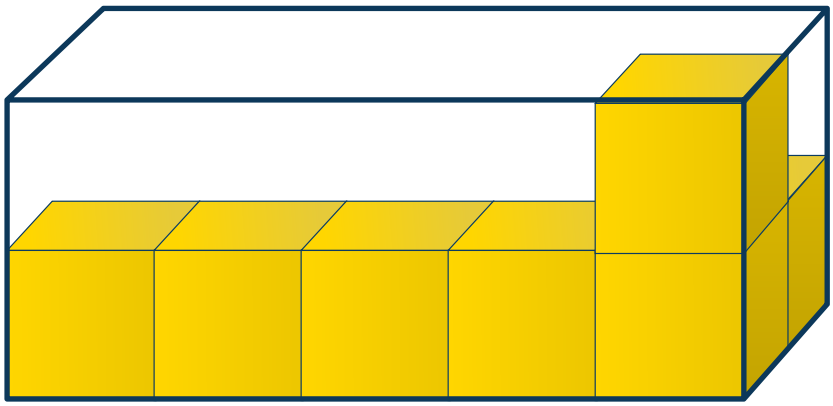
C. $3 \times \frac{5}{6} = \frac{15}{6} = 2\frac{3}{6}$

D. $3 \times \frac{5}{6} = \frac{8}{6} = 1\frac{2}{6}$

---

19 Solve: 532 × 87 = _____

20 Aaliyah is filling a box with cubes.



What is the maximum number of cubes that will fit inside the box?

A. 20
B. 8
C. 11
D. 7

---

21 The cafeteria has three bottles of juice that are the same size. The first bottle is $\frac{5}{8}$ full. The second bottle is $\frac{4}{5}$ full. The third bottle was full, but Geraldo just poured out $\frac{1}{3}$ of the bottle. Which expression correctly shows the amount of juice in each bottle from greatest to least?

A. $\frac{4}{5} > \frac{5}{8} > \frac{1}{3}$

B. $\frac{1}{3} > \frac{5}{8} > \frac{4}{5}$

C. $\frac{4}{5} > \frac{2}{3} > \frac{5}{8}$

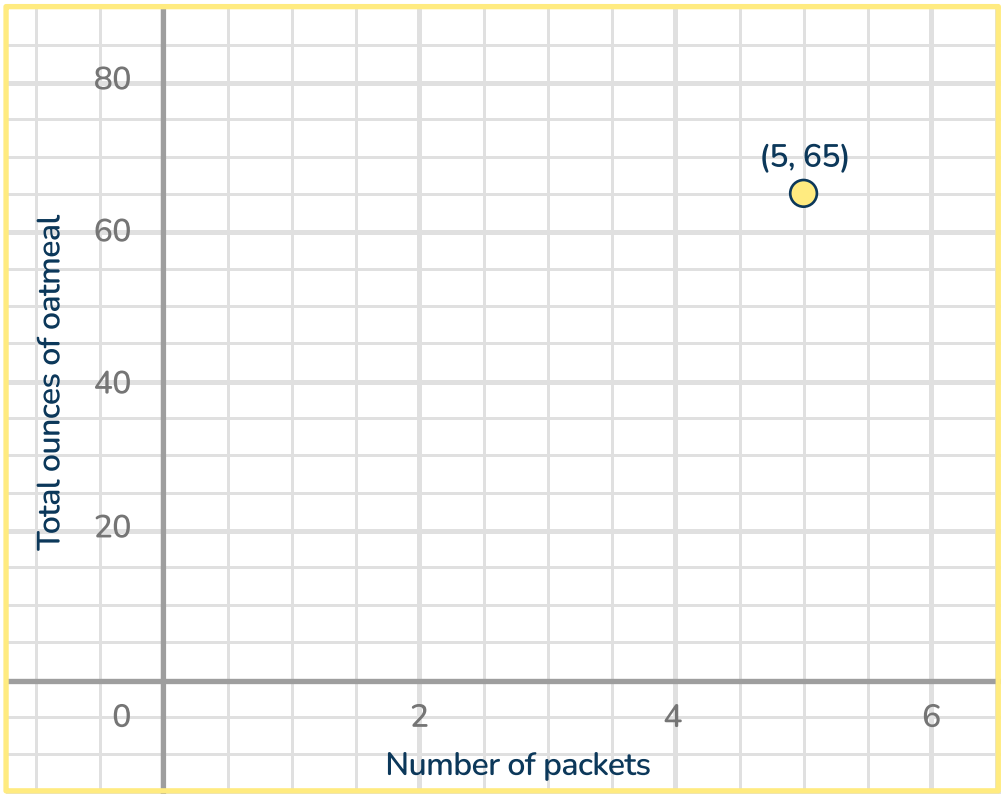
D. $\frac{5}{8} > \frac{4}{5} > \frac{2}{3}$

22 Nigel volunteers at an animal shelter. They have 4 bags, each with 16 pounds of dog food. Nigel feeds the dogs in servings of ounces. How many ounces of dog food does the animal shelter have?
(1 pound = 16 ounces)

A. 64 ounces
B. 4 ounces
C. 1,024 ounces
D. 624 ounces

---

23 The graph shows the total number of ounces in any number of packets of oatmeal.



Which statement correctly explains the meaning of (5, 65) on the graph?

A. Each packet of oatmeal has 65 ounces.
B. 65 packets of oatmeal have 5 ounces.
C. There are 5 ounces in 1 packet of oatmeal.
D. 5 packets of oatmeal have 65 ounces.

24 Fill in the blanks to complete the table.

Expression	Product
5.602×10^1	_____
$5.602 \times$ ___	560.2
$5.602 \times$ ___	5,602

---

25 Antonio has $\frac{3}{4}$ of a liter of lemonade. He is filling 100 milliliter cups with lemonade. How many cups can he fill completely?

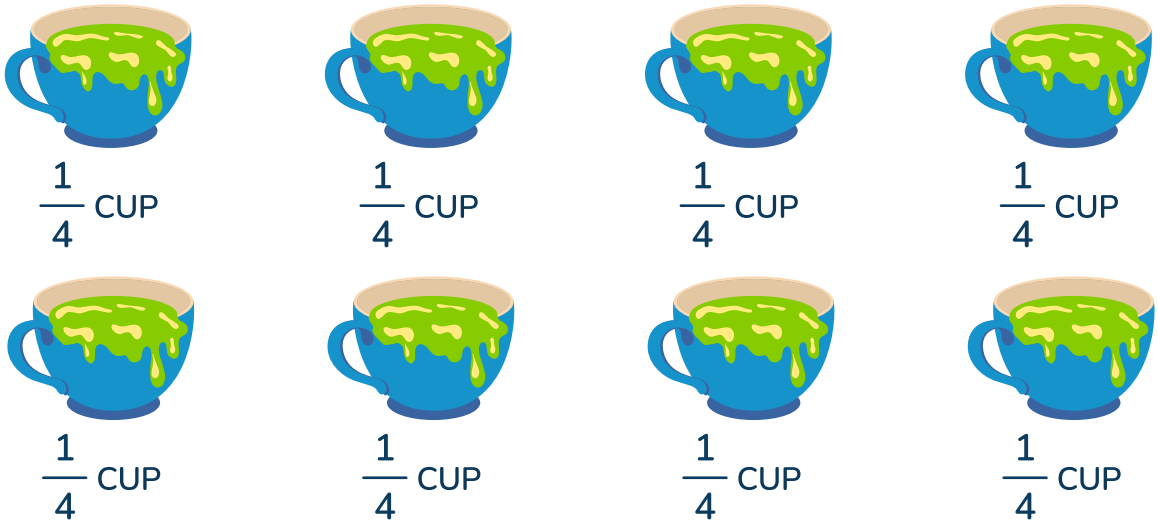
A. 1 cup
B. 2 cups
C. 7 cups
D. 8 cups

26 Lacey's orchard has 818 apples ready to sell. The apples will be put in boxes of 23 and sold for $7.50 per box. How many full boxes of apples can Lacey make?

A. 35 boxes
B. 36 boxes
C. 35.5 boxes
D. 35.6 boxes

---

27 Harper mixes the ingredients for 2 cups of slime, then pours the mixture into equal amounts to give to friends.



Which equation is equal to the number of friends, f, Harper can share the slime with?

A. $8 \times \frac{1}{4} = f$

B. $2 \div \frac{1}{4} = f$

C. $8 \div 2 = f$

D. $2 \times \frac{1}{4} = f$

28 Which shapes always have 4 right angles? Select all the correct answers.

A. Rectangle
B. Parallelogram
C. Kite
D. Quadrilateral
E. Square

---

29 Frankie spent $2\frac{1}{4}$ hours practicing the drums. How many minutes did Frankie spend practicing the drums?
(1 hour = 60 minutes)

A. 225 minutes
B. 124 minutes
C. 135 minutes
D. 145 minutes

30 Which equation equals 60?

A. $6 \times 10^2 = ?$
B. $0.60 \times 10^3 = ?$
C. $600 \div 10^3 = ?$
D. $6{,}000 \div 10^2 = ?$

---

31 Solve: $15.05 - 3.49$

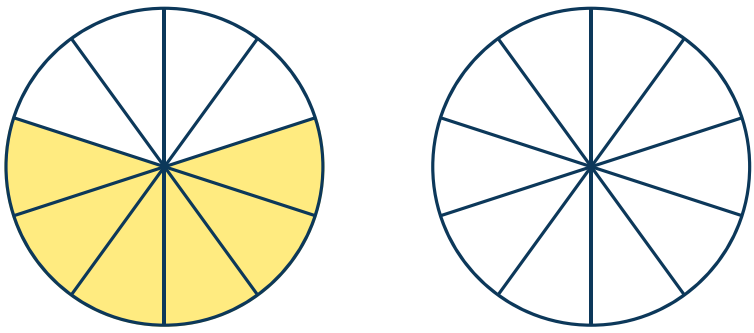
A. 12.01
B. 11.56
C. 12.44
D. 11.64

32 Complete the table.
For each input, the output for B is $\frac{1}{3}$ the value of the output for A.

Input	Output A	Output B
1	9	_____
2	_____	6
3	27	_____
	Rule A : _____	**Rule B :** _____

---

33 Tina and her sister ordered two pizzas for dinner. The shaded part of the circle represents the portion of the pizza Tina's sister ate. Tina ate ⅕ more than her sister.



How much pizza was left over?

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

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

C. $\frac{3}{5}$

D. $1\frac{3}{10}$

34 Show a number greater than 9.073 by using the number bank to complete the expression.

(9 × _____) + (7 × _____) + (3 × _____)

Number bank :	1,	$\frac{1}{2}$,	$\frac{1}{10}$,	$\frac{1}{100}$,	$\frac{1}{100}$,	$\frac{1}{1{,}000}$

---

35 Story: Omari has been measuring a plant for a science project. The plant has grown $\frac{1}{3}$ of an inch each week and has grown a total of 3 inches taller. How many weeks has Omari been measuring this plant?

Which expressions fit the story context? Select all the correct answers.

A. $\frac{1}{3} \times 3$

B. $3 \times \frac{1}{9}$

C. $3 \div \frac{1}{3}$

D. $\frac{1}{3} \div 3$

E. $9 \times \frac{1}{3}$

36 Complete the statement: 700 is ____ times the value of 7,000.

A. 100

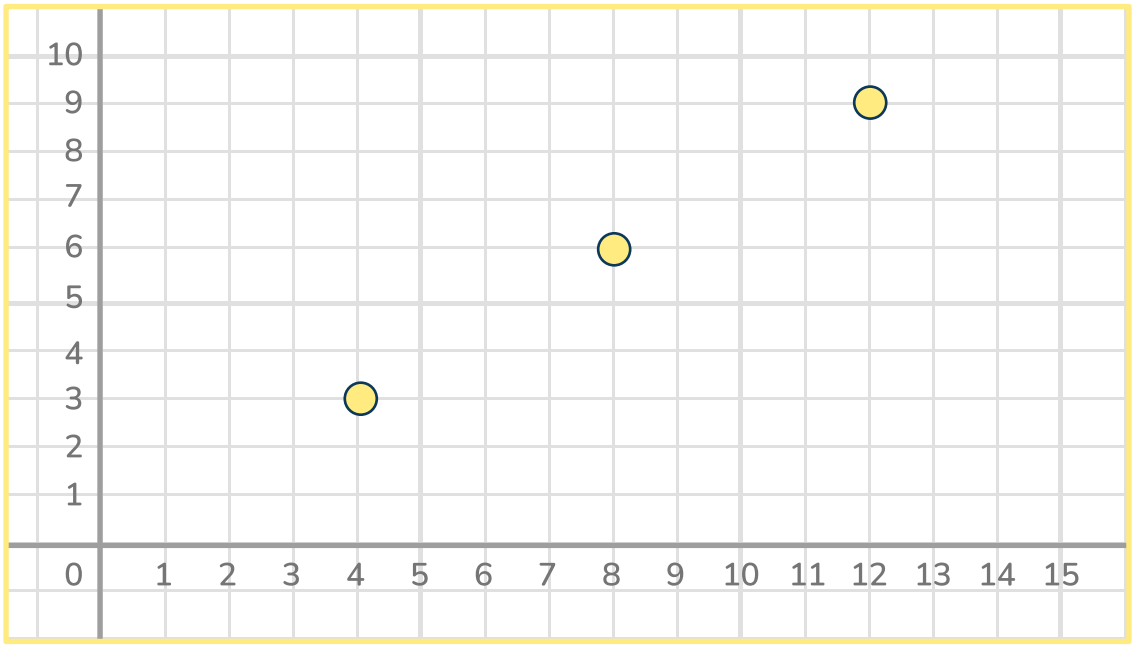
B. $\frac{1}{10}$

C. 10

D. $\frac{1}{100}$

---

37 The graph below shows ordered pairs that make up two patterns.



What are the rules for the two patterns shown by the ordered pairs?

A. x-coordinate: Add 4
y-coordinate: Add 3

B. x-coordinate: Add 3
y-coordinate: Add 4

C. x-coordinate: Times 6
y-coordinate: Times 8

D. x-coordinate: Times 8
y-coordinate: Times 6

38 Dominic is filling a cube pot with soil. The area of the base is 64 square inches. What is the volume of the cube pot, in cubic inches?
(Volume = Area of the base × height)

A. 512
B. 2,048
C. 192
D. 4,096

---

39 How many more centimeters are in 0.08 meters, than 56 millimeters?

A. 55.2 cm
B. 0.24 cm
C. 744 cm
D. 2.4 cm

40 Brett stacks 4 shoe boxes, with the same dimensions, to make a tower. Each box has a height of 5 inches and a width of 12 inches. The volume of the tower is 1,440 cubic inches. What is the length of one shoe box?
(Volume = length × width × height)

A. 24 inches
B. 6 inches
C. 8 inches
D. 32 inches

41

Which statements about the shape are true? Select all the correct answers.

A. The shape is a parallelogram, because it has 2 pairs of parallel sides
B. The shape is a rhombus, because it has 4 congruent sides
C. The shape is a square, because it has 4 right angles
D. The shape is a quadrilateral, because is has 4 sides
E. The shape is a trapezoid, because it has at least 1 set of parallel sides

42 The temperature of a lake is about 86.3°. If the temperature was rounded to the nearest tenth, what are three possible actual temperatures of the lake?

Write the three numbers:

---

43 Which expression is equal to 100?

A. $10 \times 13 - 3$
B. $5 + 15 \times 5$
C. $10(11 - 1)$
D. $9(10 + 10)$

44 Which value for a makes the equation true?

$6.078 > a$

A. 6.78
B. 6.080
C. 6.1
D. 6.05

---

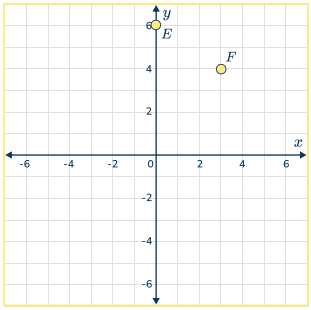
45 Write each expression in the correct column.

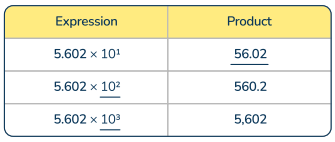
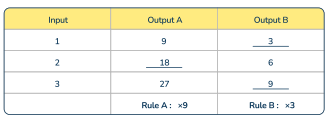
Less than 8	Equal to 8	More than 8

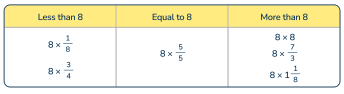
Expressions:

8×8 $\quad 8 \times \frac{1}{8}$ $\quad 8 \times \frac{5}{5}$ $\quad 8 \times \frac{7}{3}$ $\quad 8 \times \frac{3}{4}$ $\quad 8 \times 1\frac{1}{8}$

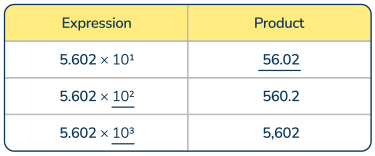
Answer Key

Item number	Correct answer	Standard(s)	DOK
1	D	**5.NR.4.4**	DOK 2
2	30 centimeters, 600 millimeters, 4.5 meters, 550 centimeters	**5.MDR.7.4**	DOK 2
3	B, C, E	**5.NR.3.5**	DOK 3
4	D	**5.MDR.7.2, 5.NR.3.3**	DOK 2
5	C	**5.NR.5.1**	DOK 2
6	B	**5.NR.3.3**	DOK 2
7	D, B	**5.GSR.8.4**	DOK 2
8	D	**5.GSR.8.1, 5.PAR.6.2**	DOK 2
9	A	**5.NR.3.6**	DOK 2
10	1.04	**5.NR.4.3**	DOK 2
11	C	**5.NR.5.1**	DOK 2
12	D	**5.NR.4.2**	DOK 2
13		**5.PAR.6.2**	DOK 1
14	A	**5.NR.3.1**	DOK 2
15	B	**5.NR.4.1**	DOK 1

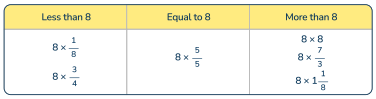
Item number	Correct answer	Standard(s)	DOK
16	A	**5.NR.3.3**	DOK 3
17	B	**5.NR.4.3**	DOK 1
18	C	**5.NR.3.4**	DOK 2
19	46,284	**5.NR.2.1**	DOK 1
20	A	**5.GSR.8.3**	DOK 2
21	C	**5.NR.3.2**	DOK 2
22	C	**5.MDR.7.4**	DOK 2
23	D	**5.PAR.6.2**	DOK 2
24		**5.NR.1.2**	DOK 3
25	C	**5.MDR.7.1**	DOK 2
26	A	**5.NR.2.1**	DOK 2
27	B	**5.NR.3.6**	DOK 3
28	A, E	**5.GSR.8.1**	DOK 1
29	C	**5.MDR.7.1**	DOK 2
30	D	**5.NR.1.2**	DOK 1
31	B	**5.NR.4.4**	DOK 1
32		**5.PAR.6.1**	DOK 2
33	C	**5.NR.3.3**	DOK 2

Item number	Correct answer	Standard(s)	DOK
34	$(9 \times 1) + (7 \times \frac{1}{10}) + (3 \times \frac{1}{100})$ OR $(9 \times 1) + (7 \times \frac{1}{10}) + (3 \times \frac{1}{1000})$ OR $(9 \times 1) + (7 \times \frac{1}{100}) + (3 \times \frac{1}{10})$ OR $(9 \times 1) + (7 \times \frac{1}{1000}) + (3 \times \frac{1}{10})$	**4.GSR.8.3**	DOK 2
35	C, E	**5.NR.3.6, 5.NR.3.4**	DOK 2
36	B	**5.NR.1.1**	DOK 1
37	A	**5.PAR.6.1, 5.PAR.6.2**	DOK 3
38	A	**5.GSR.8.4**	DOK 2
39	D	**5.MDR.7.3, 5.NR.4.4**	DOK 2
40	B	**5.GSR.8.4**	DOK 2
41	A, D, E	**5.GSR.8.2**	DOK 2
42	Any number between 86.250 and 86.349	**5.NR.4.3**	DOK 3
43	C	**5.NR.5.1**	DOK 1
44	D	**5.NR.4.2**	DOK 1
45		**5.NR.3.4, 5.NR.3.5**	DOK 1

ANSWERS SORTED BY COMPETENCIES

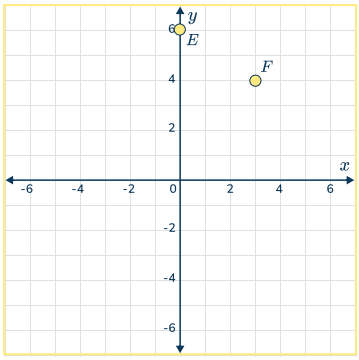
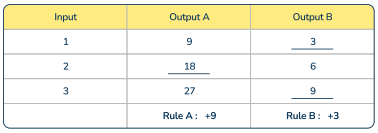
5.NR.1 (Numerical Reasoning Competency 1)			
24		**5.NR.1.2**	DOK 3
30	D	**5.NR.1.2**	DOK 1
36	B	**5.NR.1.1**	DOK 1

5.NR.2 (Numerical Reasoning Competency 2)			
19	46,284	**5.NR.2.1**	DOK 1
26	A	**5.NR.2.2**	DOK 2

5.NR.3 (Numerical Reasoning Competency 3)			
3	B, C, E	**5.NR.3.5**	DOK 3
6	B	**5.NR.3.3**	DOK 2
9	A	**5.NR.3.6**	DOK 2
14	A	**5.NR.3.1**	DOK 2
16	A	**5.NR.3.3**	DOK 3
18	C	**5.NR.3.4**	DOK 2
21	C	**5.NR.3.2**	DOK 2
27	B	**5.NR.3.6**	DOK 3
33	C	**5.NR.3.3**	DOK 2
35	C, E	**5.NR.3.6, 5.NR.3.4**	DOK 2
45		**5.NR.3.4, 5.NR.3.5**	DOK 1

5.NR.4 (Numerical Reasoning Competency 4)			
1	D	**5.NR.4.4**	DOK 2
10	1.04	**5.NR.4.3**	DOK 2
12	D	**5.NR.4.2**	DOK 2
15	B	**5.NR.4.1**	DOK 1
17	B	**5.NR.4.3**	DOK 1
31	B	**5.NR.4.4**	DOK 1
34	$(9 \times 1) + (7 \times \frac{1}{10}) + (3 \times \frac{1}{100})$ OR $(9 \times 1) + (7 \times \frac{1}{10}) + (3 \times \frac{1}{1000})$ OR $(9 \times 1) + (7 \times \frac{1}{100}) + (3 \times \frac{1}{10})$ OR $(9 \times 1) + (7 \times \frac{1}{1000}) + (3 \times \frac{1}{10})$	**5.NR.4.2, 5.NR.4.1**	DOK 2
44	D	**5.NR.4.2**	DOK 1

5.NR.5 (Numerical Reasoning Competency 5)			
5	C	**5.NR.5.1**	DOK 2
11	C	**5.NR.5.1**	DOK 2
43	C	**5.NR.5.1**	DOK 1

5.PAR.6 (Patterning & Algebraic Reasoning Competency 6)			
13		**5.PAR.6.2**	DOK 1
23	D	**5.PAR.6.2**	DOK 2
32		**5.PAR.6.1**	DOK 2
37	A	**5.PAR.6.1, 5.PAR.6.2**	DOK 3

5.MDR.7 (Measurement & Data Reasoning Competency 7)			
2	600 millimeters, 4.5 meters, 550 centimeters,1.2 kilometers	**5.MDR.7.4**	DOK 2
4	D	**5.MDR.7.2, 5.NR.3.3**	DOK 2
22	C	**5.MDR.7.4**	DOK 2
25	C	**5.MDR.7.1**	DOK 2
29	C	**5.MDR.7.1**	DOK 2
39	D	**5.MDR.7.3, 5.NR.4.4**	DOK 2

5.GSR.8 (Geometric & Spatial Reasoning Competency 8)			
7	D, B	**5.GSR.8.4**	DOK 2
8	D	**5.GSR.8.1, 5.PAR.6.2**	DOK 2
20	A	**5.GSR.8.3**	DOK 2
41	A, D, E	**5.GSR.8.2**	DOK 2
28	A, E	**5.GSR.8.1**	DOK 1
38	A	**5.GSR.8.4**	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

Speak to us

thirdspacelearning.com/us/

+1 929-298-4593

hello@thirdspacelearning.com

THIRD SPACE LEARNING