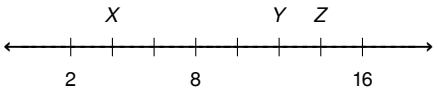
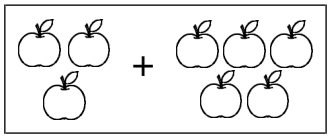
1. Look at the number line.

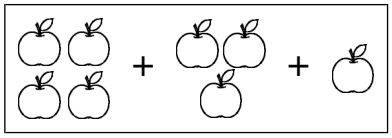


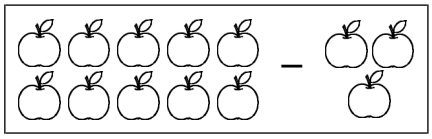
What number belongs where you see the letter Y?

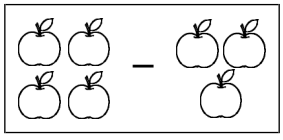
Ⓐ 4 Ⓑ 7 Ⓒ 10 Ⓓ 12

2. Which of the following will give you an answer of 7 apples?

Ⓐ 

Ⓑ 

Ⓒ 

Ⓓ 

3. Marie wants to trade her dime for coins of the same value. Which group can she trade for?

Ⓐ 

Ⓑ 

Ⓒ 

Ⓓ 

4. The pet store has 6 fish bowls.

Each fish bowl contains 2 fish.

Fish Bowls	Fish
1	
2	
3	
4	
5	
6	

How many fish are in 6 fish bowls?

5. Sonora visited her aunt's beauty salon.

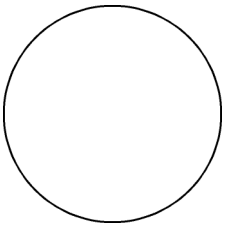
She saw lipstick, a bottle of perfume, and bottles of nail polish.

9 1 6

How many beauty supplies did Sonora see altogether?

Ⓐ 16 Ⓑ 17 Ⓒ 18 Ⓓ 19

6. Which of the following is true for all circles?



Ⓐ They have 2 edges.

Ⓑ They have only 1 side

Ⓒ They have only 1 vertex.

Ⓓ They have no vertices.

7. What is another name for three hundred plus seventy plus two?

Ⓐ 30072 Ⓑ 3072

Ⓒ 372 Ⓓ 327

8. Mark each number that has a 3 in the tens place.

❍ 739

❍ 423

❍ 361

❍ 837

❍ 673

9. Every few minutes Mack asked how many miles the family had traveled on their trip. Which numbers are in the order he would have heard them?

Ⓐ 342, 350, 359, 365

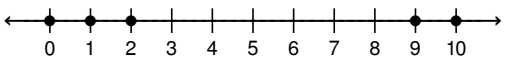
Ⓑ 599, 589, 578, 565

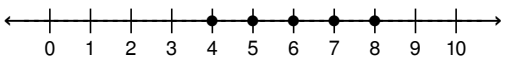
Ⓒ 288, 281, 297, 261

Ⓓ 241, 259, 269, 260

10. Which number line shows the graph of all whole numbers greater than 3 *and* less than 8?

Ⓐ 

Ⓑ 

Ⓒ 

Ⓓ 

11. Which of these expressions are equivalent to 17? Mark all correct answers.

❍ 9 + 8

❍ 17 + 0

❍ 13 + 4

❍ 0 + 17

❍ 5 + 11

12. Cecilia was guessing the number of sprinkles on her cupcake.

There were more than 29.

There were less than 38.

There was an odd number of sprinkles on her cupcake.

This number is the sum of 17 and 16.

What is the number of sprinkles on Cecilia's cupcake?

Ⓐ 31 Ⓑ 32 Ⓒ 33 Ⓓ 34

13. Gino baked 35 cookies in all.

Five cookies contained nuts, 17 cookies were chocolate and 13 cookies had raisins.

How many cookies were chocolate or had raisins?

How many cookies did *not* have nuts?

How many cookies are *not* chocolate?

14. Jenny went and got an item from her room. She said that it had 6 faces and 12 edges. Her item could have been _____.

Ⓐ an empty Coke can

Ⓑ a play tent

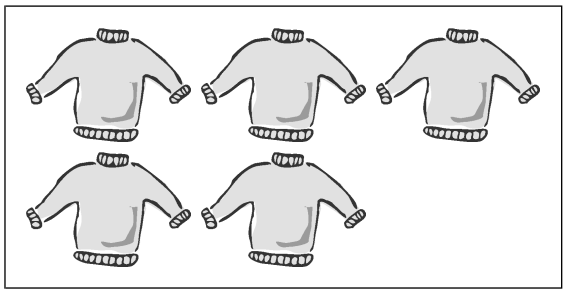
Ⓒ a basketball

Ⓓ a Kleenex box

15. Karina has a new pen to use for homework. A new pen is about _____ inches long.

Ⓐ 2 Ⓑ 5 Ⓒ 15 Ⓓ 50

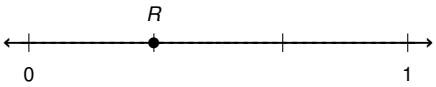
16. Kyra saw 5 sweaters in a drawer.



Write 5 as a fraction.

Ⓐ $\frac{1}{5}$ Ⓑ $\frac{0}{5}$ Ⓒ $\frac{5}{5}$ Ⓓ $\frac{5}{1}$

17. Look at the number line.



Which fraction is located at point *R*?

Ⓐ $\frac{1}{5}$ Ⓑ $\frac{1}{4}$ Ⓒ $\frac{1}{3}$ Ⓓ $\frac{1}{2}$

18. Mark colored $\frac{4}{6}$ of a group of gumballs on his paper. Which group shows $\frac{4}{6}$ of the gumballs colored?

Ⓐ

Ⓑ

Ⓒ

Ⓓ

19. Which equation is *not* equivalent to $21 - 9 = 12$?

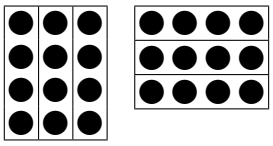
Ⓐ $12 - 9 = 21$ Ⓑ $21 - 12 = 9$

Ⓒ $9 + 12 = 21$ Ⓓ $21 - 9 = 12$

20. Darnell rode his new motorcycle 524 miles last weekend. Rounding that number to the nearest ten miles, how many miles did Darnell ride?

Ⓐ 500 Ⓑ 520 Ⓒ 525 Ⓓ 530

21. Which of the following represents the drawing?



Ⓐ $6 \times 2 = 12$

Ⓑ $4 \times 3 = 3 \times 4$

Ⓒ $3 + 4 = 4 + 3$

Ⓓ $4 + 2 = 3 + 3$

22. Michael named an item from the list below that had a capacity of about 5 milliliters. Which item did Michael name?

Ⓐ juice glass Ⓑ bathroom sink

Ⓒ soda can Ⓓ teaspoon

23. On a hot summer day, Missy and Roberta set up a lemonade stand. The girls filled 28 glasses with lemonade. During the day, the girls drank 13 glasses and sold 11.

Part A

Write an expression that shows how to find the number of glasses of lemonade that are left over.

Part B

Choose the number from the list that creates a true sentence.

The girls have [4 / 6 / 30 / 32 / 52] glasses of lemonade left over.

24. A store is having a sale on calculators. The sale price of each calculator is $8 less than the regular price. Which table shows prices of different calculators at the store?

Ⓐ

Calculator Sale

Regular Price	$12	$17	$22	$27
Sale Price	$20	$25	$30	$35

Ⓑ

Calculator Sale

Regular Price	$44	$36	$28	$20
Sale Price	$42	$34	$26	$18

Ⓒ

Calculator Sale

Regular Price	$44	$36	$28	$20
Sale Price	$8	$7	$6	$5

Ⓓ

Calculator Sale

Regular Price	$20	$25	$30	$35
Sale Price	$12	$17	$22	$27

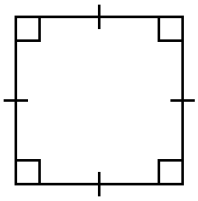
25. The quadrilateral shown is classified as a _____.

Ⓐ parallelogram

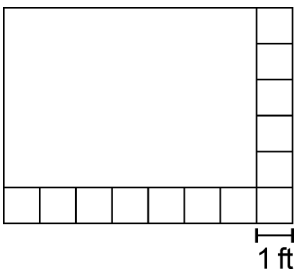
Ⓑ square

Ⓒ trapezoid

Ⓓ rhombus

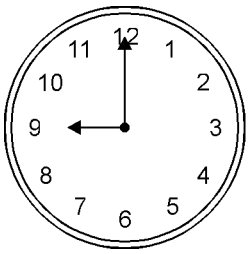


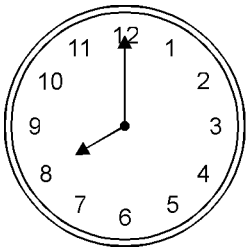
26. Violet started placing square tiles inside a rectangle, as shown in the diagram. Each square tile has a side length of 1 ft.

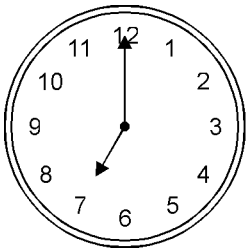


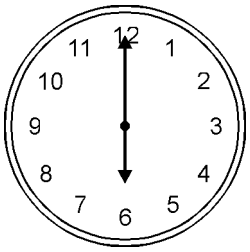
She continued placing square tiles without any overlaps to cover the rectangle. What is the area of the rectangle in square feet?

27. Mr. Ortiz goes for a walk every evening at 7:00. He stops walking 1 hour later. Which clock shows the time he stops walking?

Ⓐ 

Ⓑ 

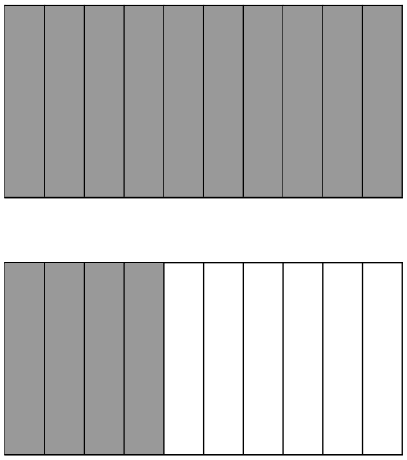
Ⓒ 

Ⓓ 

28. Determine whether each statement is true or false.

Statement	True	False
Mass is the amount of matter that an object contains.	❍	❍
Mass is the same regardless of location.	❍	❍
Mass can go up or down based on the pull of gravity.	❍	❍
Mass can be measured with a balance scale.	❍	❍

29. Manuel drew the decimal model.



What fraction is represented by the model?

Ⓐ $1\frac{4}{100}$ Ⓑ $\frac{4}{10}$ Ⓒ $\frac{10}{4}$ Ⓓ $1\frac{4}{10}$

30. Rika counted 6 crates of hubcaps. There are 540 hubcaps in all.

$6 \times \square = 540$

How many hubcaps in each crate?

Ⓐ 60 Ⓑ 70 Ⓒ 80 Ⓓ 90

31. On average, a local car wash cleans 38 vehicles in one hour.

Fill in each empty space of the table for the number of clean vehicles to expect in different numbers of hours.

Clean Vehicles	Hours
	4
	8
	10
	12

32. Look at the three different fractions.

$\frac{2}{5}$	$\frac{3}{8}$	$\frac{5}{12}$

Part A

In the box, place the lowest common denominator of the three fractions.

30 40 60

96 120 480

[ ]

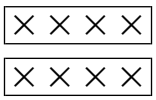
Part B

Working from left to right, order the three fractions from least value to greatest value.

$\frac{2}{5}$ $\frac{3}{8}$ $\frac{5}{12}$

[ ] [ ] [ ]

33. Which of the following represents the drawing?



Ⓐ $5 + 3 = 8$

Ⓑ $8 \div 2 = 4$

Ⓒ $3 + 5 = 8$

Ⓓ $8 \times 2 = 16$

34. William saves pennies in a shoebox. The shoebox has 3,874 pennies. He has coin wrappers as shown. Each coin wrapper holds 50 pennies each.

How many coin wrappers can William completely fill? How many pennies will be left in the shoebox?

Ⓐ he can fill 77 coin wrappers; there will be 24 pennies left in the shoebox

Ⓑ he can fill 68 coin wrappers; there will be 0 pennies left in the shoebox

Ⓒ he can fill 774 coin wrappers; there will be 4 pennies left in the shoebox

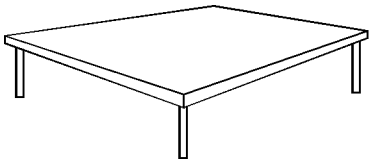
Ⓓ he can fill 23 coin wrappers; there will be 2 pennies left in the shoebox

35. José bought a square rug that measured 225 square feet. How long is each side of the rug?

Ⓐ 10 ft Ⓑ 15 ft

Ⓒ 25 ft Ⓓ 225 ft

36. In the drawing, the coffee table is viewed from a particular angle. If viewed from above, the top would be appear to be a rectangle. Although the top is distorted a little in the drawing, the legs still appear _____ to each other.



Ⓐ rotated Ⓑ parallel

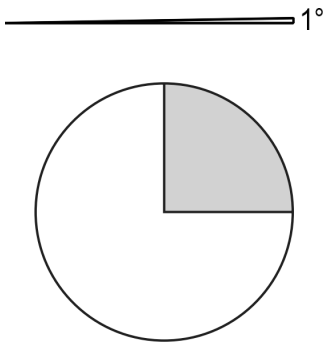
Ⓒ perpendicular Ⓓ diagonal

37. A quadrilateral with exactly two parallel sides is called a _____.

Ⓐ kite Ⓑ square

Ⓒ parallelogram Ⓓ trapezoid

38. The figure below represents a one-degree angle cut out of a whole circle.



How many one-degree angles are there in $\frac{1}{4}$ of a circle?

Ⓐ 45 Ⓑ 90 Ⓒ 100 Ⓓ 180

39. Muhammad saw the following sales ad for the Book Nook. He wants to purchase 6 books. How much will 6 books cost?

Ⓐ $42.00

Ⓑ $36.00

Ⓒ $26.00

Ⓓ $13.00

Great Deal!
The first 3 books cost **$7.00** each.
Every book you buy after that will cost **$5.00**.

40. Elizabeth had a $5 bill, 4 quarters, 5 dimes, and 7 nickels. She paid for a burger that cost $5.88.

How much money does she have left?

Ⓐ $0.05 Ⓑ $0.12

Ⓒ $0.97 Ⓓ $6.85

41. Round each of the decimals to the nearest hundred. Place each decimal in the correct box.

673.894 681.239 646.803

723.498 643.167 653.908

627.399 741.115

Rounds to 600	Rounds to 700

42. There are 89 books in the classroom library. Each shelf holds 10 books. What is the *smallest* number of shelves needed to hold all of the books?

Ⓐ 7 Ⓑ 8 Ⓒ 9 Ⓓ 10

43. The cost of a ticket to the basketball tournament at the local high school is $15. The cash taken at the door on Saturday night was $9080. Which is a good estimate for the number of people who bought tickets on Saturday night?

Ⓐ 600 Ⓑ 500 Ⓒ 700 Ⓓ 900

44. April's family of 4 went to dinner. The bill was $72. If each person's meal cost the same amount, how much did each meal cost?

Ⓐ $17 Ⓑ $18

Ⓒ $288 Ⓓ none of these

45. Next year, the Caldwell family wants to enroll their child in athletic and academic enrichment activities and made a list of the expenses. In order to pay for the activities, they will save an equal amount each month this year.

Swim Team Dues and Equipment	$930
Academic Summer Camp	$3710
Two-week Family Vacation	$3375
Swim Technique Summer Camp	$575
Water Polo Travel Team Fees	$1160

How much money does the Caldwell family need to save each month?

Ⓐ $975.00 Ⓑ $804.16

Ⓒ $812.50 Ⓓ $550

46. The marching band at Littleton JHS sold candy for a fund-raiser. Darnelle sold 24 boxes of candy, which was 6 boxes more than Eddy sold. Frances sold half as many boxes as Darnelle and Eddy did together. Which equation can be used to find F, the number of boxes of candy that Frances sold?

Ⓐ $F = (24 + 6) \times 2$ Ⓑ $F = (24 + 18) \div 2$

Ⓒ $F = (24 + 30) \div 2$ Ⓓ none of these

47. The table shows how the number of days is related to the number of weeks.

number of weeks	1	2	3	
number of days	7	14	21	

What is one way to find the number of days in 19 weeks?

Ⓐ Multiply 19 by 7

Ⓑ Add 19 to 7

Ⓒ Subtract 7 from 19

Ⓓ Divide 19 by 7

48. Use the order of operations to simplify the expressions.

Determine whether each expression is equivalent to 2 or 8. Place each expression in the correct box.

A $18 \div (3 \times 3)$	B $(8 \times 5) - (8 \times 4)$
C $(9 \times 4) \div 18$	D $4 \times 4 - 4 \times 2$
E $12 + 6 - (5 \cdot 2)$	F $(8 \times 3) \div (4 \times 3)$

Equivalent to 2	Equivalent to 8

49. Find the difference:

$$\begin{array}{r} 54\text{ lb }\ 7\text{ oz} \\ -\ 27\text{ lb }\ 13\text{ oz} \\ \hline \end{array}$$

Ⓐ 26.10 lb Ⓑ 26 lb 10 oz

Ⓒ 27 lb 6 oz Ⓓ 27 lb 10 oz

50. Terry measured the diagonal of her bedroom window and found it measured 72.5 cm. How many meters long is the diagonal of her window?

Ⓐ 7.25 m Ⓑ 0.725 m

Ⓒ 72.5 m Ⓓ .0725 m

TX TEKS Elementary School Math Samples 12/29/2023

1.
Answer: D
Objective: 1.02F
Points: 1

2.
Answer: C
Objective: 1.03B
Points: 1

3.
Answer: D
Objective: 1.04A
Points: 1

4.
Answer: 12
Objective: 1.05B
Points: 1

5.
Answer: A
Objective: 1.05G
Points: 1

6.
Answer: D
Objective: 1.06B
Points: 1

7.
Answer: C
Objective: 2.02B
Points: 1

8.
Answer: 1,4
Objective: 2.02B
Points: 1

9.
Answer: A
Objective: 2.02D
Points: 1

10.
Answer: D
Objective: 2.02E
Points: 1

11.
Answer: 1,2,3,4
Objective: 2.04B
Points: 1

12.
Answer: C
Objective: 2.07C
Points: 1

13.
Answer: 30; 30; 18
Objective: 2.07C
Points: 1

14.
Answer: D
Objective: 2.08B
Points: 1

15.
Answer: B
Objective: 2.09E
Points: 1

16.
Answer: D
Objective: 3.03A
Points: 1

17.
Answer: C
Objective: 3.03B
Points: 1

18.
Answer: C
Objective: 3.03E
Points: 1

19.
Answer: A
Objective: 3.04A
Points: 1

20.
Answer: B
Objective: 3.04B
Points: 1

21.
Answer: B
Objective: 3.04E
Points: 1

22.
Answer: D
Objective: 3.07E
Points: 1

23.
Answer: ,0
Objective: 3.05A
Points: 1

24.
Answer: D
Objective: 3.05E
Points: 1

25.
Answer: B
Objective: 3.06A
Points: 1

26.
Answer: 48
Objective: 3.06C
Points: 1

27.
Answer: B
Objective: 3.07C
Points: 1

28.
Answer: [1],[1],[2],[1]
Objective: 3.07D
Points: 1

29.
Answer: D
Objective: 4.03A
Points: 1

30.
Answer: D
Objective: 4.04B
Points: 1

31.
Answer: 152,304,380,456
Objective: 4.04D
Points: 1

32.
Answer: 120; $\frac{3}{8}$, $\frac{2}{5}$ $\frac{5}{12}$
Objective: 4.03D
Points: 1

33.
Answer: B
Objective: 4.04E
Points: 1

34.
Answer: A
Objective: 4.05A
Points: 1

35.
Answer: B
Objective: 4.05D
Points: 1

36.
Answer: B
Objective: 4.06D
Points: 1

37.
Answer: D
Objective: 4.06D
Points: 1

38.
Answer: B
Objective: 4.07A
Points: 1

39.
Answer: B
Objective: 4.08C
Points: 1

40.
Answer: C
Objective: 4.08C
Points: 1

41.
Answer: [C,E,G][A,B,D,F,H]
Objective: 5.02C
Points: 1

42.
Answer: C
Objective: 5.03A
Points: 1

43.
Answer: A
Objective: 5.03A
Points: 1

44.
Answer: B
Objective: 5.03C
Points: 1

45.
Answer: C
Objective: 5.03G
Points: 1

46.
Answer: B
Objective: 5.04B
Points: 1

47.
Answer: A
Objective: 5.04D
Points: 1

48.
Answer: [A,C,F][B,D,E]
Objective: 5.04F
Points: 1

49.
Answer: B
Objective: 5.07
Points: 1

50.
Answer: B
Objective: 5.07
Points: 1