

Spring Break Packet

Multiple Choice & Short Response

Due Date: Monday, April 20th

Name: _____ Class: _____

1 What is the value of $\frac{2}{5} + \frac{3}{7}$?

A $\frac{6}{35}$

B $\frac{5}{12}$

C $\frac{6}{12}$

D $\frac{29}{35}$

2 Which expression represents the phrase "4 times the sum of 9 and 6"?

A $4 \times (9 + 6)$

B $4 \times 9 + 6$

C $9 + 6 \times 4$

D $9 + (6 \times 4)$

3 Which expression is equivalent to 32?

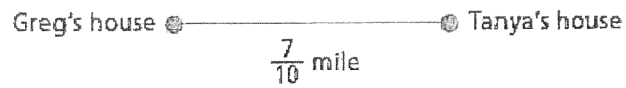
A $(30 + 6) \div 3$

B $2 \times (9 + 7)$

C $9 \times (3 + 5)$

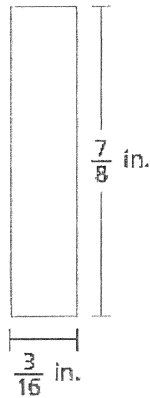
D $6 + 2 \times 4$

- 4 The distance from Greg's house to Tanya's house is $\frac{7}{10}$ of a mile.



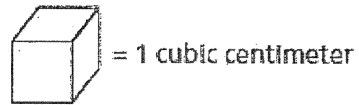
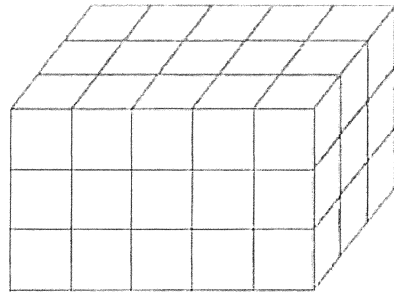
Which number correctly shows the number of miles as a decimal?

- A 0.07
B 0.7
C 7.0
D 7.10
- 5 What is the area, in square inches, of a rectangle with the dimensions shown in the diagram below?



- A $\frac{21}{128}$
B $\frac{3}{14}$
C $\frac{10}{24}$
D $\frac{24}{112}$

6 What is the volume, in cubic centimeters, of the figure below?



- A 15
 - B 24
 - C 30
 - D 45
- 7 Which decimal makes the number sentence true?

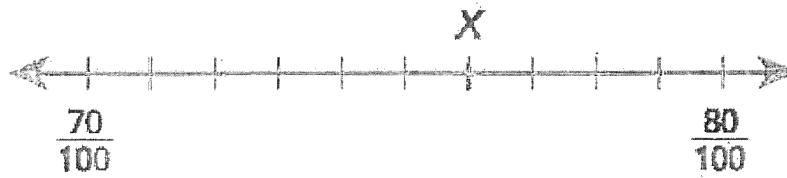
$$0.27 > \underline{\quad ? \quad}$$

- A 0.4
 - B 0.26
 - C 0.3
 - D 0.28
- 8 What is $1,748 \div 38$?
- A 41
 - B 43
 - C 46
 - D 48

9 Which measurement is equivalent to 3 meters?

- A 9 centimeters
- B 36 centimeters
- C 100 centimeters
- D 300 centimeters

10 Which decimal **best** represents the location of point X on the number line below?



- A 0.076
- B 0.077
- C 0.76
- D 0.77

- 11 Rosalva and Jake walked a certain distance each day. The recorded the distances in the table shown below.

DISTANCE WALKED

	Rosalva (kilometers)	Jake (meters)
Monday	1.5	1,450
Tuesday	0.69	1,590
Wednesday	1.04	1,204
Thursday	2.1	1,977
Total		

What is the difference, in meters, between Rosalva's and Jake's total distances walked over the four days?

Show your work.

Answer _____ meters

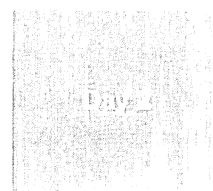
12 The list below shows the numbers of miles John biked each day for 12 days.

$6\frac{3}{4}$, 7, $6\frac{1}{2}$, $6\frac{3}{4}$, $7\frac{1}{4}$, 7, $7\frac{1}{2}$, $6\frac{3}{4}$, $7\frac{1}{2}$, $6\frac{3}{4}$, $6\frac{1}{2}$, $7\frac{3}{4}$

Make a line plot of the data using the line below. Include a title and correct labels.



Answer: _____



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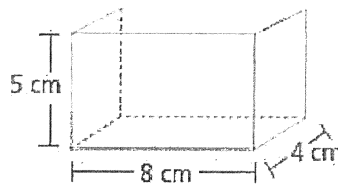
Student Name: _____

Teacher Name: _____

13 Which expression represents the phrase “triple the sum of 24 and 9”?

- A $3 + (24 + 9)$
- B $3 \times (24 + 9)$
- C $3 + 24 + 9$
- D $3 \times 24 + 9$

14 Juliette made the jewelry box shown below. The jewelry box was shaped like a right rectangular prism.



What was the volume, in cubic centimeters, of the jewelry box?

- A 17
- B 37
- C 160
- D 184

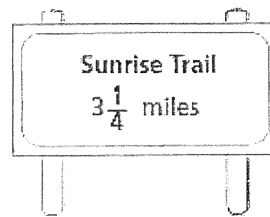
15 What is the product of $\frac{5}{8} \times \frac{3}{4}$?

- A $\frac{8}{32}$
- B $\frac{15}{32}$
- C $\frac{8}{12}$
- D $\frac{15}{12}$

16 Christopher wants to buy a notebook for \$2.15, a pack of glue sticks for \$5.08, and a pack of pens for \$3.08. What is the total cost of the three items Christopher wants to buy?

- A \$10.75
- B \$10.31
- C \$10.23
- D \$10.11

17 The sign below shows the length of a trail in a park.

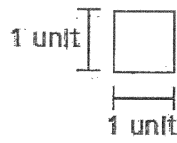


What is the length, in feet, of the trail?

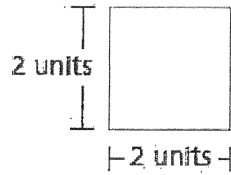
- A 5,280
- B 5,720
- C 15,840
- D 17,160

18 Which diagram represents a volume of one cubic unit?

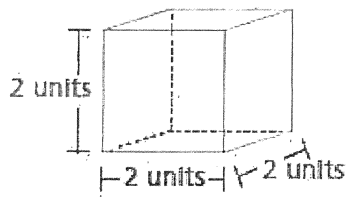
A



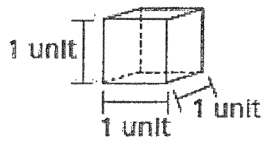
B



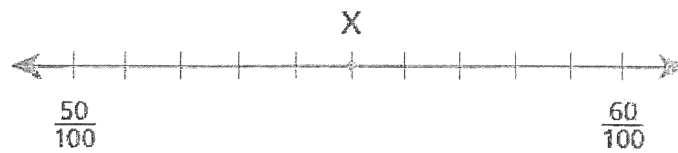
C



D



19 Which decimal best represents the location of point X on the number line below?



- A 0.5
- B 0.55
- C 0.56
- D 0.6

20 In which number does the 5 represent a value 10 times the value represented by the 5 in 35,187?

- A 117,568
- B 247,351
- C 325,827
- D 453,362

21 Mani, James, and Isidro equally shared $\frac{1}{2}$ of a pie. Which fraction of the whole pie did each of them receive?

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

22 What number goes in the blank to make the statement below true?

$$3,840 \text{ ounces} = \underline{\hspace{2cm}} \text{ pounds}$$

- A 24
- B 240
- C 480
- D 61,440

23 Isabella is playing a game with the decimal numbers shown below.

1.5 1.05 0.15 0.105 1.50 0.015

She has to place each of the decimal numbers in one of the boxes shown below so that it makes a true number sentence. Each decimal number goes in only one box.

$$\boxed{A} < \boxed{B}$$

$$\boxed{C} > \boxed{D}$$

$$\boxed{E} = \boxed{F}$$

On the line above each decimal number, write the letter of the box where that number belongs.

1.5	1.05	0.15	0.105	1.50	0.015
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- 24 Anna recorded the time she spent at soccer practice to the nearest $\frac{1}{4}$ hour for 15 days. Her results are shown below.

TIME SPENT AT SOCCER PRACTICE (HOURS)

Monday	Tuesday	Wednesday	Thursday	Friday
$2\frac{1}{4}$	$2\frac{1}{2}$	$1\frac{3}{4}$	2	$1\frac{1}{2}$
$2\frac{3}{4}$	$2\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{4}$
$1\frac{3}{4}$	$2\frac{1}{2}$	2	$1\frac{3}{4}$	$1\frac{3}{4}$

Make one line plot to display Anna's data over the 15-day period.

Be sure to

- title the line plot
- label the number line
- graph all the data

Answer: _____



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25 Which expression is equivalent to 100,000?

- A 10^4
- B 10^5
- C 10^6
- D 10^7

26 Which decimal makes the number sentence true?

$$0.27 > \underline{\quad ? \quad}$$

- A 0.4
- B 0.26
- C 0.3
- D 0.28

27 Which expression is equivalent to 32?

- A $(30 + 6) \div 3$
- B $2 \times (9 + 7)$
- C $9 \times (3 + 5)$
- D $6 + 2 \times 4$

28 What is the value of the expression below?

$$\frac{1}{4} \div 8$$

- A $\frac{1}{32}$
- B $\frac{1}{2}$
- C 2
- D 32

29 What is the value of the expression below?

$$\begin{array}{r} 3\frac{1}{4} \\ -1\frac{7}{8} \\ \hline \end{array}$$

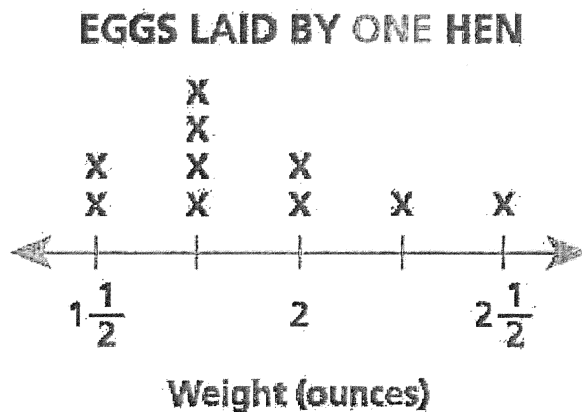
- A $1\frac{1}{4}$
- B $1\frac{3}{8}$
- C $2\frac{3}{8}$
- D $3\frac{1}{2}$

30 What is the value of the expression below?

$$56 \div \frac{1}{17}$$

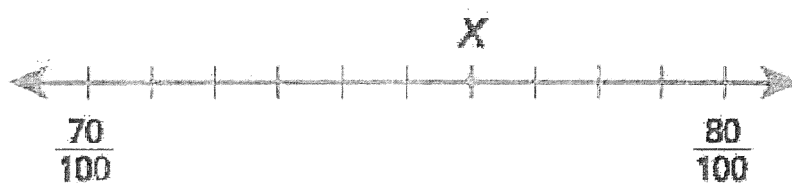
- A $\frac{1}{952}$
- B $\frac{17}{56}$
- C $3\frac{5}{17}$
- D 952

- 31 The line plot shows the weights of ten eggs laid by one hen.



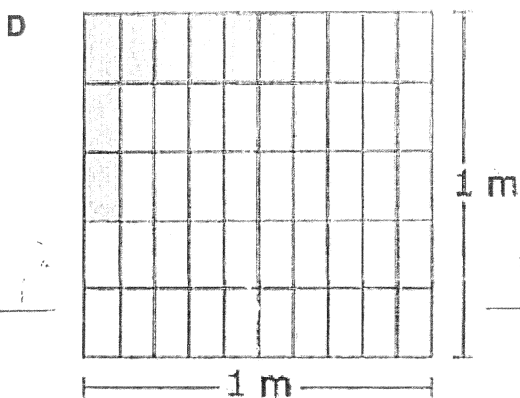
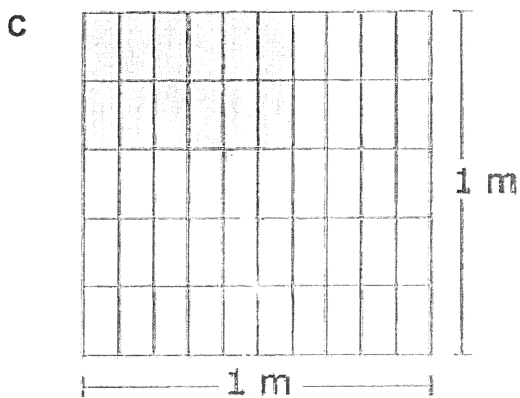
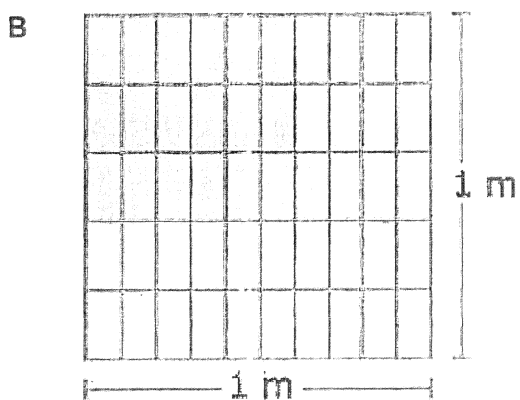
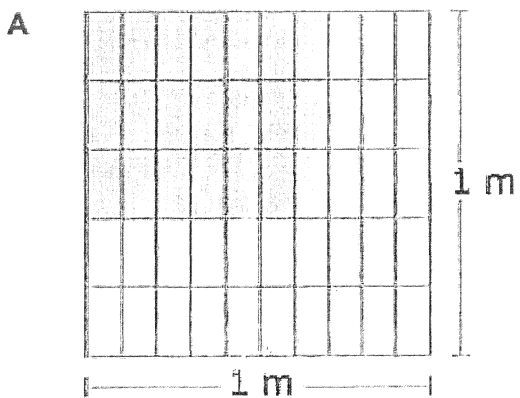
What is the total weight, in ounces, of the four heaviest eggs?

- A 4
 - B 7
 - C $8\frac{1}{2}$
 - D $8\frac{3}{4}$
- 32 Which decimal **best** represents the location of point X on the number line below?



- A 0.076
- B 0.077
- C 0.76
- D 0.77

- 33 Which model shows one way to determine the area of a rectangle that is $\frac{7}{10}$ meter long and $\frac{3}{5}$ meter wide?



34 Four hundred sixty-nine and eight hundredths can also be written as

- A 460.908
- B 460.98
- C 469.08
- D 469.800

35 Which term can be put in the blank to make the statement below true?

$$3,000,000 = 30 \underline{\hspace{2cm}}$$

- A thousands
- B ten-thousands
- C hundred-thousands
- D millions

36 What is the value of the expression below?

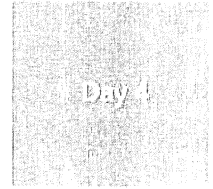
$$[24 + 9 - (4 \times 2) + 11] \div 2$$

Show your work.

Answer: _____

- 37 At the Middleton School festival, a tent covers a rectangular space $30\frac{1}{2}$ yards long $9\frac{1}{3}$ yards wide. What is the area, in square yards, covered by the tent?

Show your work



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38 Tara baked $6\frac{1}{2}$ dozen cookies. She sold $3\frac{2}{6}$ dozen of the cookies she made. How many dozens of cookies does Tara have remaining?

A $3\frac{1}{6}$

B $3\frac{1}{4}$

C $3\frac{3}{8}$

D $3\frac{5}{6}$

39 Which decimal is equivalent to $\frac{41}{100}$?

A 41.0

B 4.10

C 0.41

D 0.041

40 What number is equivalent to the expanded form shown below?

$$(2 \times 100) + (3 \times 1) + \left(4 \times \frac{1}{10}\right) + \left(3 \times \frac{1}{1,000}\right)$$

A 203.043

B 203.403

C 230.430

D 230.403

41 What is the value of the expression $\frac{1}{5} \div 4$?

A $\frac{20}{1}$

B $\frac{5}{4}$

C $\frac{4}{5}$

D $\frac{1}{20}$

42 A swimming pool is shaped like a right rectangular prism. The pool is 36 feet long and 20 feet wide. What is the total amount of water, in cubic feet, needed to fill the pool to a depth of 4 feet?

A 800

B 864

C 2,880

D 5,760

43 Which measurement is equivalent to 3 meters?

A 9 centimeters

B 36 centimeters

C 100 centimeters

D 300 centimeters

44 Which expression is equivalent to 83,120 in expanded form using powers of 10?

A $(8 \times 10^5) + (3 \times 10^4) + (1 \times 10^3) + (2 \times 10^2)$

B $(8 \times 10^4) + (3 \times 10^3) + (1 \times 10^3) + (2 \times 10^2)$

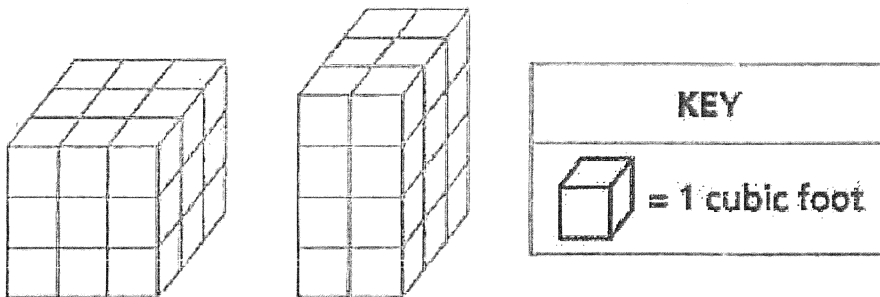
C $(8 \times 10^4) + (3 \times 10^3) + (1 \times 10^2) + (2 \times 10^1)$

D $(8 \times 10^1) + (3 \times 10^1) + (1 \times 10^1) + (2 \times 10^1)$

45 Parallelograms **always** belong to which category of shapes?

- A squares
- B rectangles
- C rhombuses
- D quadrilaterals

46 The two right rectangular prisms below have different volumes.



What is the difference in volume, in cubic feet, of the two prisms?

- A 1
- B 3
- C 6
- D 9

- 47 Pax wants to make fruit punch for a party using the recipe below.

Fruit Punch
1.25 L orange juice
2.5 L cranberry juice
1 L ginger ale

He will make three times the amount of fruit punch listed in the recipe. What is the total amount of fruit punch, in liters, that Pax will make?

- A 4.53
- B 4.75
- C 12.90
- D 14.25
- 48 Christopher wants to buy a notebook for \$2.15, a pack of glue sticks for \$5.08, and a pack of pens for \$3.08. What is the total cost of the three items Christopher wants to buy?
- A \$10.75
- B \$10.31
- C \$10.23
- D \$10.11

49 A library had 6,422 music CDs stored on 26 shelves. If the same number of CDs were stored on each shelf, how many CDs were stored on each shelf?

Show your work.

Answer _____ CDs

Answer: _____



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50 Movie tickets cost \$9.25 each and a large order of popcorn costs \$7.75. What is the total cost of 5 movie tickets and a large order of popcorn?

- A \$22.00
- B \$48.00
- C \$54.00
- D \$85.00

51 Which expression represents the phrase “triple the sum of 24 and 9”?

- A $3 + (24 + 9)$
- B $3 \times (24 + 9)$
- C $3 + 24 + 9$
- D $3 \times 24 + 9$

52 Which phrase describes the volume of a 3-dimensional figure?

- A the number of square units it takes to fill a solid figure
- B the number of cubic units it takes to fill a solid figure
- C the number of square units it takes to cover the outside of a solid figure
- D the number of cubic units it takes to cover the outside of a solid figure

53 What number goes in the blank to make the statement below true?

3,840 ounces = _____ pounds

- A 24
- B 240
- C 480
- D 61,440

54 Which expression is equivalent to 100,000?

- A 10^4
- B 10^5
- C 10^6
- D 10^7

55 Michele is 52 inches tall. Her father is 6 feet 3 inches tall. Exactly how many inches taller is Michele's father than Michele?

- A 11
- B 13
- C 23
- D 25

56 What is the value of $\frac{2}{5} + \frac{3}{7}$?

- A $\frac{6}{35}$
- B $\frac{5}{12}$
- C $\frac{6}{12}$
- D $\frac{29}{35}$

57 What is the value of the expression below?

$$24.5 - 15.75$$

- A 8.75
- B 8.85
- C 9.25
- D 9.75

58 The table below lists the capacity, in quarts, of four different fish tanks at a pet store.

FISH TANK CAPACITY

Fish Tank	Capacity (quarts)
Pacific	240
Fresh	15
Tropic	120
Bahama	60

Which fish tank has a capacity of 60 gallons?

- A Pacific
- B Fresh
- C Tropic
- D Bahama

59 Deb has a board that measures 5 feet in length. How many $\frac{1}{4}$ foot-long pieces can Deb cut from the board?

- A 1
- B 9
- C 10
- D 20

60 A racecar driver completed three laps in the times shown below.

- 39.28 seconds
- 38.9 seconds
- 37.83 seconds

What was the total time, in seconds, it took for the driver to complete the three laps?

Show your work.

Answer: _____

- 61 Each team in a youth basketball league pays \$984 to join the league. If a team consists of 12 players and the fee is divided equally among the players, how much does each player pay?

Show your work.

Answer \$ _____

Answer: _____

62 Andy has a collection of movie DVDs. In Andy's collection,

- $\frac{3}{5}$ of the DVDs are "Action," and
- $\frac{1}{4}$ of the DVDs are "Comedy."

Andy said that $\frac{4}{9}$ of his collection is "Action" or "Comedy." Cynthia said that Andy made an error. Explain whether Andy is correct or incorrect and why.

What fraction of the DVDs in Andy's collection is not "Action" or "Comedy?"

Show your work.

Answer _____

