Name _____

Grade **6**
Readiness Test

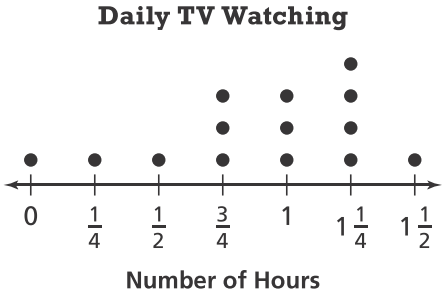
1. There are 928 possible words for a spelling bee. If Levi studies 40 words per day, how long will he take to study all of the words?

Ⓐ 18 days
Ⓑ 21 days
Ⓒ 23 days
Ⓓ 24 days

2. Ken went to a county fair and spent $5 on admission, $6.50 on games, and $7.21 on food. If he had $30 before he went to the fair, how much money does he have left?

Ⓐ $18.71
Ⓑ $12.19
Ⓒ $11.29
Ⓓ $10.89

3. Jo kept track of how much TV she watched each day for two weeks. How many hours in all did she spend watching TV?



Ⓐ $1\frac{1}{2}$ hours
Ⓑ $5\frac{1}{4}$ hours
Ⓒ $12\frac{1}{2}$ hours
Ⓓ $13\frac{1}{2}$ hours

4. What is the quotient of 9,750 divided by 15?

Ⓐ 65
Ⓑ 650
Ⓒ 975
Ⓓ 6,500

5. The length of an alligator in a zoo is $14\frac{5}{6}$ feet. Everglades National Park lists the longest alligator ever recorded in Florida at $17\frac{5}{12}$ feet. Which is the difference in their lengths?

Ⓐ $2\frac{3}{4}$ feet
Ⓑ $2\frac{7}{12}$ feet
Ⓒ $3\frac{5}{8}$ feet
Ⓓ $3\frac{5}{6}$ feet

6. The students at Woodward Elementary voted for a school mascot. The falcon won with $\frac{5}{8}$ of the votes and the eagle came in second with $\frac{1}{3}$ of the remaining votes. If 536 students voted for a mascot, how many students voted for the eagle?

Ⓐ 23
Ⓑ 78
Ⓒ 67
Ⓓ 87

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7. Round 503.782 to the nearest tenth.

Ⓐ 500

Ⓑ 503.7

Ⓒ 503.78

Ⓓ 503.8

8. Ernie walked $1\frac{1}{4}$ miles from his cabin to a park, then $1\frac{1}{2}$ miles around the park, and then back to his cabin. How many miles did he walk?

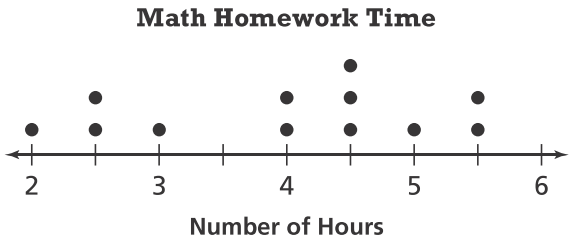
Ⓐ $4\frac{1}{4}$ miles

Ⓑ 4 miles

Ⓒ $2\frac{3}{4}$ miles

Ⓓ $\frac{1}{4}$ mile

9. The line plot shows the numbers of hours students spent doing their math homework last week.



How many students spent more than 5 or less than 4 hours on their math homework?

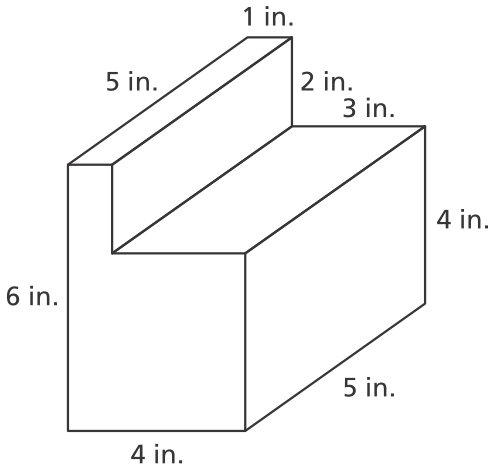
Ⓐ 3

Ⓑ 5

Ⓒ 6

Ⓓ 12

10. A cell phone manufacturer designed the new packaging shown below that will hold a cell phone, accessories, and an owner's manual. Which is the volume of the new packaging?



Ⓐ 130 cubic inches

Ⓑ 120 cubic inches

Ⓒ 110 cubic inches

Ⓓ 90 cubic inches

11. One quarter has a mass of 5.67 grams. Which is the mass of two rolls of quarters, each containing 40 quarters?

Ⓐ 22.68 grams

Ⓑ 45.36 grams

Ⓒ 226.8 grams

Ⓓ 453.6 grams

12. Jeremy has 3 pounds of ground beef to make hamburgers. How many $\frac{1}{3}$-pound hamburgers can he make?

Ⓐ 12

Ⓑ 9

Ⓒ 6

Ⓓ 1

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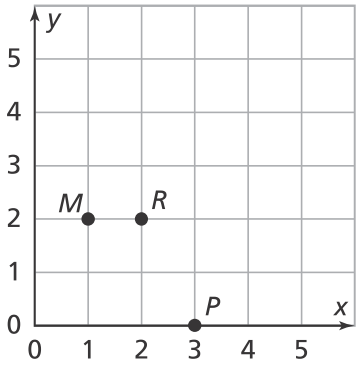
13. The map below shows the locations of the houses of Maria, Reese, and Paul. Each unit on the map represents 1 mile. What are the coordinates of Steve's house, who lives 2 miles from Maria, 2 miles from Paul and 1 mile from Reese?



Ⓐ (3, 2)
Ⓒ (3, 1)
Ⓑ (1, 3)
Ⓓ (1, 0)

14. For the school play, 205 students buy tickets and 232 adults buy tickets. All tickets cost $16. How much did the school make in ticket revenue?

Ⓐ $6,792
Ⓑ $6,952
Ⓒ $6,963
Ⓓ $6,992

15. Ted brought a cooler containing 7.5 liters of water to a picnic. If 500 milliliters of water are served to each person, how many people can get water before the cooler is empty?

Ⓐ 150
Ⓒ 15
Ⓑ 130
Ⓓ 13

16. The femur, or thigh bone, of an average human is 480 millimeters long. The spinal cord of an average human is 45 centimeters long. What is the total length of a spinal cord and a femur, in meters?

Ⓐ 0.93 Ⓑ 9.3 Ⓒ 93 Ⓓ 983,000

17. Which expression represents the following calculation?

Add the product of 7 and 5 to the quotient of 288 and 18.

Ⓐ $288 \div (7 \times 5) + 18$
Ⓑ $(7 \times 18) + (288 \times 5)$
Ⓒ $(288 - 18) \div (7 + 5)$
Ⓓ $(288 \div 18) + (7 \times 5)$

18. Erin earns $7.50 per hour, and Rita earns $9.00 per hour. The table shows the amounts that Erin and Rita earn for working 1 to 6 hours.

Hours	Erin	Rita
1	$7.50	$9.00
2	$15.00	$18.00
3	$22.50	$27.00
4	$30.00	$36.00
5	$37.50	$45.00
6	$45.00	$54.00

How will their total earnings compare for a 40-hour workweek?

Ⓐ Rita earns $60 more than Erin.
Ⓑ Erin earns $60 more than Rita.
Ⓒ Rita earns $1,000 more than Erin.
Ⓓ Erin earns $100 more than Rita.

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19. Jasmine bought a game system that cost $299 before tax. A discount was applied by multiplying the cost of the game system by 0.90. The total including sales tax was 1.07 times the final price. What was the total cost of the game system including the discount and the sales tax?

Ⓐ $273.56

Ⓑ $278.06

Ⓒ $287.94

Ⓓ $289.79

20. The quotient below is shown without the decimal point. Use number sense to place the decimal point correctly.

$370 \div 2.5 \div 1.6 = 925$

Ⓐ Place the decimal point before 9.

Ⓑ Place the decimal point between 9 and 2.

Ⓒ Place the decimal point between 2 and 5.

Ⓓ Place the decimal point after 5.

21. Andy has $261.81 left in his bank account after buying a tennis racquet and a can of tennis balls. The racquet cost $76.58 and the tennis balls cost $13.61. How much did Andy have in his bank account before buying the tennis racquet and tennis balls?

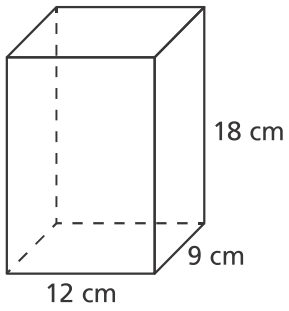
Ⓐ $633.60

Ⓑ $352.00

Ⓒ $70.40

Ⓓ $18.40

22. Steve needs to ship a box of dice, each of which is a cube with a volume of 1 cubic centimeter. How many dice can Steve fit in this box?



Ⓐ 39

Ⓑ 270

Ⓒ 972

Ⓓ 1,944

23. Select all the statements that are true.

☐ Every rhombus has 4 equal angles.

☐ Every trapezoid has 2 pairs of opposite parallel sides.

☐ Every square has 4 equal sides and 4 right angles.

☐ Every parallelogram has 4 equal sides.

☐ Every rectangle is a parallelogram.

24. Which expression has a value of 8?

Ⓐ $21 - 3 \times 5$

Ⓑ $(28 \div 4) + (10 \times 2)$

Ⓒ $(16 \div 4) + 3 \times 2$

Ⓓ $4 \times 5 - 6 \times 2$

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25. Nina's total trip to and from work is 14 miles. If she works 243 days this year, how many miles will she drive to and from work?

Ⓐ 3,402 miles

Ⓑ 3,292 miles

Ⓒ 1,215 miles

Ⓓ 1,105 miles

26. Fatima has 2 gallons of milk. She wants to pour all the milk into glasses that each hold 1 cup ($\frac{1}{16}$ gallon). How many glasses can she fill?

Ⓐ 32

Ⓑ 16

Ⓒ 8

Ⓓ 2

27. A team of four runners competed in the 100-meter relay race. The times for each racer are shown in the table.

Runner	Time (s)
Jared	12.36
Zachary	12.2
Danny	12.03
Jackson	11.85

The team's competition time is given by the total of the three fastest runners. What is this team's competition time?

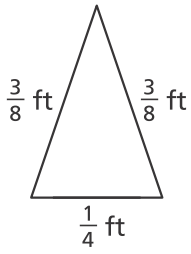
Ⓐ 36.24 seconds

Ⓑ 36.08 seconds

Ⓒ 35.55 seconds

Ⓓ 36.09 seconds

28. Which is the perimeter of the triangular frame below?



Ⓐ $\frac{9}{22}$ foot

Ⓑ $\frac{15}{24}$ foot

Ⓒ 1 foot

Ⓓ $1\frac{1}{4}$ feet

29. A flower shop ordered 1,176 flowers to make bouquets. Each bouquet will have 12 flowers. How many bouquets can the flower shop make?

Ⓐ 89

Ⓑ 98

Ⓒ 99

Ⓓ 102

30. Which lists the values from least to greatest?

148.5, 146.9, 148.2, 148.75

Ⓐ 146.9, 148.75, 148.2, 148.5

Ⓑ 146.9, 148.2, 148.5, 148.75

Ⓒ 146.9, 148.2, 148.75, 148.5

Ⓓ 146.9, 148.5, 148.2, 148.75

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31. Rosa paid $107.40 for 12 audio books that were all the same price. Which is the best estimate of the cost of each audio book?

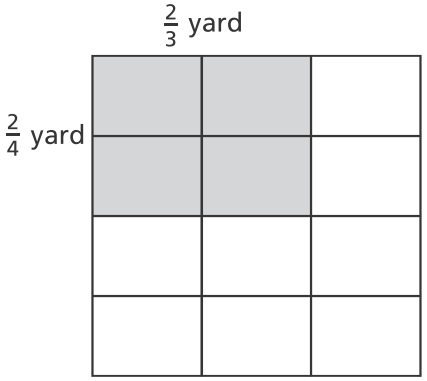
Ⓐ $7

Ⓑ $9

Ⓒ $11

Ⓓ $13

32. Use the model below to find the area of the shaded region.



Ⓐ $\frac{4}{7}$ square yard

Ⓑ $\frac{1}{2}$ square yard

Ⓒ $\frac{1}{3}$ square yard

Ⓓ $\frac{1}{4}$ square yard

33. Which statement is **NOT** true?

Ⓐ Every square is a rhombus.

Ⓑ Every square is a rectangle.

Ⓒ Every rhombus is a parallelogram.

Ⓓ Every trapezoid is a parallelogram.

34. Samir can rent a moving truck from Company A for $135 plus $0.50 per mile or from Company B for $125 plus $0.70 per mile. Which statement is true?

Ⓐ Renting from Company A will always be cheaper.

Ⓑ Renting from Company B will always be cheaper.

Ⓒ Renting from both companies will cost the same if Samir drives the truck 50 miles.

Ⓓ Renting from Company B will be cheaper if Samir drives the truck 100 miles.

35. Annie borrowed $354 from her parents to buy a tablet. She plans to pay the money back in 2 equal payments per month for the next 12 months. How much will each payment be?

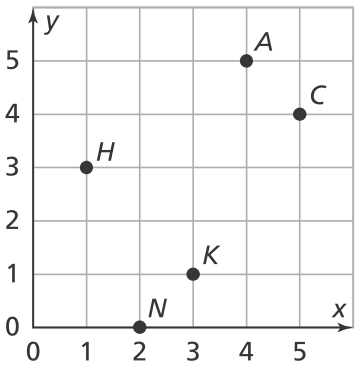
Ⓐ $29.50

Ⓑ $14.75

Ⓒ $14.58

Ⓓ $17.70

36. Name the ordered pair for point *H*.



Ⓐ (3, 1)

Ⓑ (1, 3)

Ⓒ (0, 3)

Ⓓ (3, 0)

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