

## Assessment Reference Sheet

### Grade 6

1 inch = 2.54 centimeters  
1 meter = 39.37 inches  
1 mile = 5280 feet  
1 mile = 1760 yards  
1 mile = 1.609 kilometers

1 kilometer = 0.62 mile  
1 pound = 16 ounces  
1 pound = 0.454 kilograms  
1 kilogram = 2.2 pounds  
1 ton = 2000 pounds

1 cup = 8 fluid ounces  
1 pint = 2 cups  
1 quart = 2 pints  
1 gallon = 4 quarts  
1 gallon = 3.785 liters  
1 liter = 0.264 gallons  
1 liter = 1000 cubic centimeters

Triangle	$A = \frac{1}{2}bh$
Right Rectangular Prism	$V = Bh$ or $V = lwh$

Name \_\_\_\_\_

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1. What is the expanded form of 68, 025?

- a)  $60,000 + 800 + 25$
- b)  $60,000 + 8000 + 20 + 5$
- c)  $60,000 + 80000 + 20 + 5$
- d)  $60,000 + 8000 + 200 + 5$

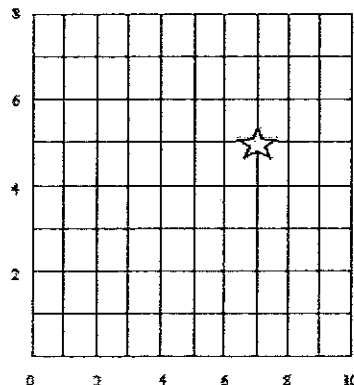
2. Joy kept her toys in the storage container shown below. What is the volume of the storage container?

- a)  $8 \text{ ft}^3$
- b)  $9 \text{ ft}^3$
- c)  $14 \text{ ft}^3$
- d)  $24 \text{ ft}^3$



3. What are the coordinates of the star?

- a) (7, 5)
- b) (6, 8)
- c) (5, 7)
- d) (6, 6)



Name \_\_\_\_\_

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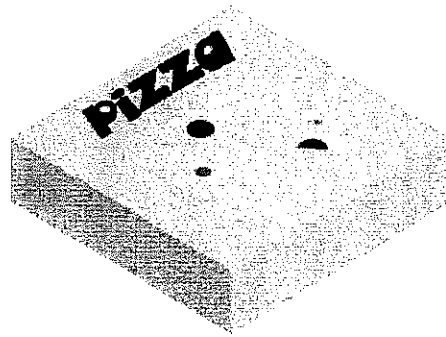
4. After hosting a party, Chloe has  $3\frac{1}{8}$  pizzas left. She gives Joseph  $1\frac{1}{2}$  pizzas for helping her clean up. How much pizza does Chloe have left after giving Joseph pizza?

a)  $2\frac{2}{10}$  pizzas

b)  $1\frac{5}{8}$  pizzas

c)  $2\frac{1}{2}$  pizzas

d)  $1\frac{3}{8}$  pizzas



5. Which of the following numbers would make the equation shown below correct?

$$5 \times (13 - \underline{\quad}) \div 2 = 15$$

a) 1

b) 5

c) 7

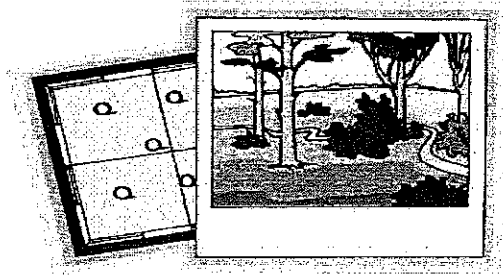
d) 9

Name \_\_\_\_\_

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6. Gabriela measured the distance from her school to the park using a map. The map's scale states that 1 centimeter = 25 meters. If Gabriela's measurement showed that the school was 13 centimeters from the park, what is the distance in meters?

- a) 12 meters
- b) 38 meters
- c) 225 meters
- d) 325 meters



7. What shape has four sides and only one pair of parallel lines?

- a) trapezoid
- b) rhombus
- c) parallelogram
- d) hexagon

8. What is 823.871 rounded to the nearest tenth?

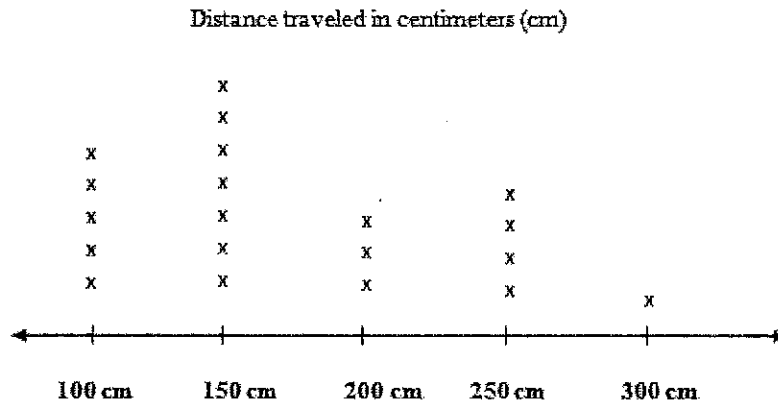
- a) 824
- b) 823.9
- c) 823.87
- d) 800.8



Name \_\_\_\_\_

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9. The line plot below shows the distance (rounded to the nearest whole number) of model cars students used for a science experiment measuring speed.



Based on the data, how many students' cars traveled less than 200 centimeters?

- a) 3
- b) 8
- c) 12
- d) 15

10. What is the expression represented by the following statement:

Divide 18 by 3, multiply by 2 and then subtract 7.

- a)  $2 \times 18 \div 3 - 7$
- b)  $18 \div (3 \times 2) - 7$
- c)  $18 - 7 \div 3 \times 2$
- d)  $18 \div 3 \times 2 - 7$



Name \_\_\_\_\_

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11. Enid feeds her cat the same amount of food each week. She started recording the total amount of food the cat ate, displayed in the table below.

Week	Amount of cat food (in pounds)
1	3
3	6
5	9
7	12

How many pounds of food will Enid's cat have eaten after 10 weeks?

- a) 15 pounds
- b) 16.5 pounds
- c) 17.5 pounds
- d) 18 pounds

12. What is the product of  $6 \times \frac{5}{7}$ ?

- a)  $\frac{5}{42}$
- b)  $1\frac{4}{7}$
- c)  $4\frac{2}{7}$
- d)  $8\frac{2}{5}$



Name \_\_\_\_\_

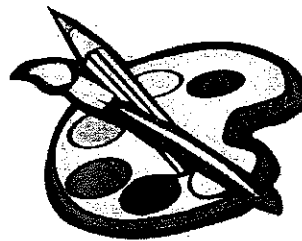
Date \_\_\_\_\_

13. Kate wants to buy a new video game. The game cost \$76.00. Kate's parents give her \$5.00 in allowance each week. If she saves \$4.00 each week, how many weeks will it take her to save \$76.00?

- a) 9 weeks
- b) 15 weeks
- c) 16 weeks
- d) 19 weeks

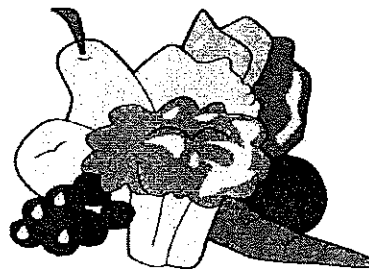
14. Mr. Lowe is setting up his room for art class. He has 5 boxes of crayons with 24 crayons each, 3 packages of pencils with 20 pencils each, and 8 packages of paint brushes with 10 brushes each. What is the difference between the total number of crayons and the total number of paint brushes?

- a) 3
- b) 14
- c) 40
- d) 80



15. The Canton Grocery Store decides to give away 300 pounds of vegetables as a part of a campaign to get people to eat more vegetables. If 58 people get an equal amount of vegetables, how many remaining pounds will Canton have to give away?

- a) 10 pounds
- b) 52 pounds
- c) 242 pounds
- d) 290 pounds



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16. What is the quotient of  $63.72 \div 4$ ? Enter your answer in the box.

17. Look at the corresponding numbers in the pattern below used to form ordered pairs.

Rule One: add 5	5	10	15
Rule One: add 6	6	12	18

If  $(0, 0)$  is the first ordered pair, what is the sixth ordered pair? Write your answer in the box.

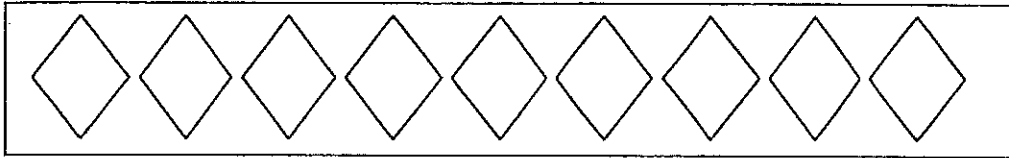




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18. Represent the fraction  $\frac{4}{9}$  by shading the diamonds to represent the numerator.

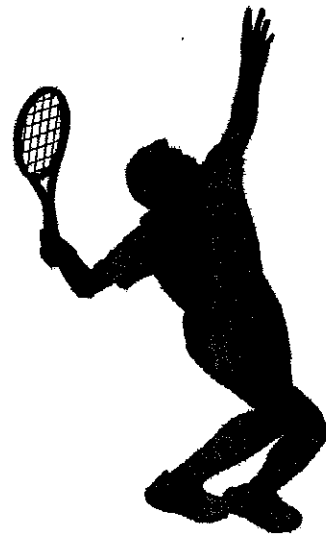


**Refer to the statement below for numbers 19 and 20.**

During a match, an average tennis player should be able to hit  $\frac{2}{5}$  of his or her first serves within the service lines.

19. If Sam takes 150 serves during a match, how many serves did he hit within the service lines? Write your answer in the space provided.

Answer



20. If Sam hits 90 serves within the service lines during his next match, how many serves did he attempt? Write your answer in the space provided.

Answer



