

Name _____

Diagnostic Test

Directions: Circle the best answer for each of the following questions.

1. Maya and Andy both love to collect marbles. Andy has 148 marbles and Maya has 195 marbles. About how many marbles do they have altogether?
 - A. 50 marbles
 - B. 300 marbles
 - C. 350 marbles
 - D. 500 marbles
2. Toronto is 350 kilometres west of Ottawa. Montréal is 160 kilometres east of Ottawa. About how many kilometres is it from Toronto to Montréal?
 - A. 200 kilometres
 - B. 500 kilometres
 - C. 750 kilometres
 - D. 1000 kilometres
3. Nori buys and sells items online. He recently sold his bed for \$278 and his desk for \$117. Later, he bought a new MP3 player for \$188. About how much money does he have left?
 - A. \$300
 - B. \$200
 - C. \$400
 - D. \$600
4. Naveen has scored 692 points on his video game. About how many more points does he need to score to reach 1,000 points?
 - A. 300 points
 - B. 400 points
 - C. 1,600 points
 - D. 1,700 points
5. The three third-grade classes all participated in the last school fundraiser. Mr. Lin's class raised \$395, Mrs. Suarez's class raised \$682, and Ms. Jaruvek's class raised another \$515. About how much did they raise altogether?
 - A. \$1,400
 - B. \$1,500
 - C. \$1,600
 - D. \$1,700



Diagnostic Test *(cont.)*

Directions: Circle the best answer for each of the following questions.

6. During her last five trips to the grocery store, Josefina has spent the following amounts: \$13.50, \$4.50, \$9.00, \$7.99, and \$11.11. Put the amounts in order from least to greatest.

- A. \$11.11; \$7.99; \$9.00; \$4.50;
\$13.50
- B. \$4.50; \$7.99; \$9.00; \$11.11;
\$13.50
- C. \$9.00; \$4.50; \$7.99; \$11.11;
\$13.50
- D. \$13.50; \$11.11; \$9.00; \$7.99;
\$4.50

7. The nearby hamburger store sells hamburgers for \$2.35, fries for \$1.45, and a small drink for \$0.85. If you bought one of each, how much money would you spend?

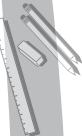
- A. \$4.65
- B. \$5.00
- C. \$5.55
- D. \$12.25

8. During the school fundraiser, each grade level raised money for the school. The chart below shows how much each grade level raised. Use the chart to answer the question.

Grade Level	Amount Raised
Kindergarten	\$1,250
1st	\$900
2nd	\$1,400
3rd	\$725
4th	\$1,550
5th	\$950

What was the difference in the amount of money raised between the grade level with the most and the grade level with the least?

- A. \$300
- B. \$350
- C. \$725
- D. \$825
9. At the convenience store, Eva bought a pack of gum for \$0.75 and a fruit drink for \$2.49. How much change would she get from a \$5.00 bill?
- A. \$1.76
- B. \$2.76
- C. \$3.24
- D. \$8.24



Diagnostic Test *(cont.)*

Directions: Circle the best answer for each of the following questions.

10. Chen and Takara went to the movies. They each bought a ticket for the movies (\$7.50 each), and shared a \$6.25 tub of popcorn. How much did they spend altogether?

A. \$6.25
 B. \$13.75
 C. \$21.25
 D. \$27.50

11. Each bus has 4 wheels and 8 seats. Use the chart below to answer the question.

Number of Buses	1	2	3	4	5	6	7	8	9	10
Number of Wheels	4	8	12							
Number of Seats	8	16	24							

How many seats are there in 8 buses?

A. 8 seats
 B. 64 seats
 C. 32 seats
 D. 80 seats

12. For every dollar, Denzel can buy 2 apples or he can buy 3 oranges.

Dollars	1	2	3	4	5	6	7	8	9	10
Number of Apples	2	4	6							
Number of Oranges	3	6	9							

How many dollars will it take to buy 18 apples?

A. \$4
 B. \$6
 C. \$7
 D. \$9

13. For one week, Nita made paper airplanes. Each day she got faster and better. The following chart shows the first few days. Complete the chart to answer the question below.

Days	1	2	3	4	5	6	7
Number of Planes	2	5	8	11			

How many planes was Nita able to make on the last day?

A. 7 planes
 B. 14 planes
 C. 20 planes
 D. 23 planes



Diagnostic Test *(cont.)*

Directions: Circle the best answer for each of the following questions.

14. What is the missing number in the pattern?

2, 6, 18, ____, 162, 486

- A. 54
- B. 21
- C. 19
- D. 161

15. What is the missing number in the pattern?





1, 4, 2, 5, 3, 6, 4, ____, 5, 8, 6

- A. 2
- B. 4
- C. 6
- D. 7

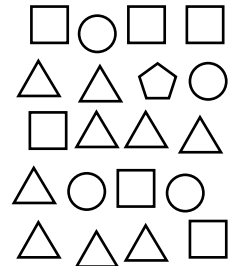
16. Which shape has more than 1 line of symmetry?

- A. **A**
- B. **F**
- C. **V**
- D. **X**





17. Which of the following shapes is NOT regular?

- A. 
- B. 
- C. 
- D. 

18. How many of the following shapes have more than 3 sides?

- A. 7 shapes
 - B. 6 shapes
 - C. 8 shapes
 - D. 18 shapes
- 

19. Which of the following shapes has three sides?

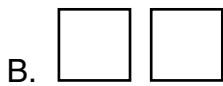
- A. 
- B. 
- C. 
- D. 



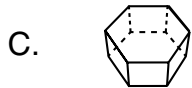
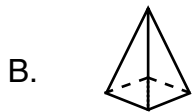
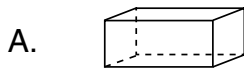
Diagnostic Test *(cont.)*

Directions: Circle the best answer for each of the following questions.

20. Which of the following pairs are congruent?



21. Which of the following shapes is a rectangular prism?



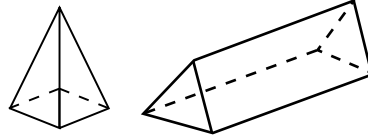
22. How many faces are found on a rectangular prism?

- A. 3 faces
- B. 4 faces
- C. 6 faces
- D. 8 faces

23. Which of the following shapes has a circular face?

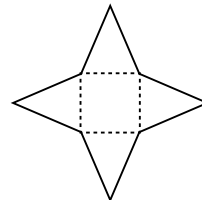
- A. cube
- B. rectangular prism
- C. pyramid
- D. cylinder

24. What two-dimensional shape do BOTH of these figures have?



- A. pyramid
- B. triangle
- C. circle
- D. prism

25. What shape would this create when folded together?



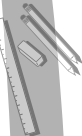
- A. cube
- B. rectangular prism
- C. pyramid
- D. cylinder



Diagnostic Test *(cont.)*

Directions: Circle the best answer for each of the following questions.

26. There are 100 centimetres in 1 metre. How many centimetres are in $\frac{1}{2}$ metre?
- A. 2 centimetres
 - B. 50 centimetres
 - C. 25 centimetres
 - D. 60 centimetres
27. Which unit of measurement would you use to guess how much a dog weighs?
- A. centimetre
 - B. litre
 - C. kilogram
 - D. milligram
28. Which unit of measurement would you use to measure the height of your teacher?
- A. centimetre
 - B. metre
 - C. kilogram
 - D. litre
29. Which one of the items below would be best to measure in centimetres?
- A. a rubber band
 - B. an oak tree
 - C. a tall building
 - D. a whale
30. An elephant weighs about 1,000 kilograms. How much would 4 elephants weigh?
- A. 1,000 kilograms
 - B. 1,004 kilograms
 - C. 2,000 kilograms
 - D. 4,000 kilograms
31. If it is half past nine, what time would a digital clock read?
- A. 8:30
 - B. 8:50
 - C. 9:30
 - D. 9:50

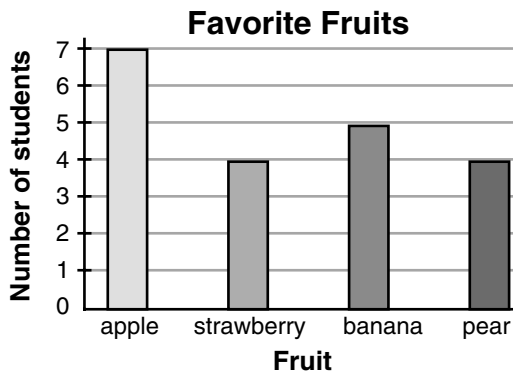


Diagnostic Test *(cont.)*

Directions: Circle the best answer for each of the following questions.

- 32.** It is 8:15 when Kiara gets to school. If she leaves school at 3:15, how many hours did she spend at school?
- A. 5 hours
B. 6 hours
C. 7 hours
D. 8 hours
- 33.** Javier looks up to see that the time is 11:50. If lunch is at 12:00, how many minutes does Javier have to wait?
- A. 10 minutes
B. 20 minutes
C. 50 minutes
D. 110 minutes
- 34.** It takes Tucker 3 minutes to read each page of his book. If he reads 15 pages, for how many minutes did he read?
- A. 5 minutes
B. 18 minutes
C. 30 minutes
D. 45 minutes
- 35.** Cho's baby sister slept for 12 hours. What fraction of the entire day was the baby sleeping?
- A. $\frac{12}{15}$
B. $\frac{12}{24}$
C. $\frac{12}{60}$
D. $\frac{12}{100}$

Mrs. Fernandez's class was asked the following question: "What is your favorite fruit?" Use the following graph for questions 36 and 37.



- 36.** Which fruit was the favorite of the most number of students?
- A. apple
B. strawberry
C. banana
D. pear



Diagnostic Test *(cont.)*

Directions: Circle the best answer for each of the following questions.

37. Which two fruits did the same number of students choose as their favorite?

- A. apple and pear
- B. pear and strawberry
- C. banana and pear
- D. apple and banana

The following table shows the total points scored by four hockey players during a three-year time period. Use the table to answer questions 38 and 39.

Player	2005–2006	2006–2007	2007–2008
Sidney Crosby	102	120	72
Alexander Ovechkin	106	92	112
Dany Heatley	103	105	82
Joe Thornton	92	114	96

38. Who scored the least points in 2006–2007?

- A. Sidney Crosby
- B. Alexander Ovechkin
- C. Dany Heatley
- D. Joe Thornton

39. How many more points did Sidney Crosby score in 2005–2006 than he scored in 2007–2008?

- A. 62 points
- B. 40 points
- C. 30 points
- D. 18 points

40. What kind of graph uses pictures to show information?

- A. bar graph
- B. table
- C. chart
- D. pictograph

