Diagnostic Test

Name _____ Class _____ Date _____

This test contains 15 multiple choice questions. Work each problem in the space on this page. Select the best answer.

Which set of numbers is in order from least to greatest?

1. ___

A 4324, 4432, 4243, 4234   C 4243, 4234, 4324, 4432

B 4432, 4324, 4243, 4234   D 4234, 4243, 4324, 4432

What decimal is equivalent to $\frac{3}{4}$?

2. ___
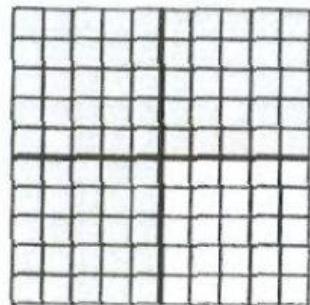
A 0.25

B 0.34

C 0.75

D 1.33

Which symbol makes the number sentence
27,543 ▢ 27,343 true?

3. ___

F >   G <   H =   J +

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Which point could represent 1.65?
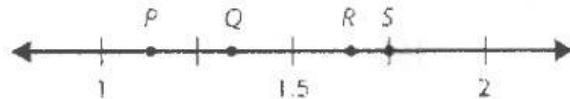
F   Point *P*   G   Point *Q*   H   Point *R*   J   Point *S*

4. ___

The number 13.76 is read as which of the following:
- F   thirteen and seventy-six tenths
- G   thirteen and seventy-six hundredths
- H   thirteen and seventy-six thousandths
- J   thirteen thousand and seventy-six

5. ___

How can you write 10,000,000 using exponents?
- F $10^{\cdot}$ H 10°
- G $10^{\cdot}$ J $10^{\prime}$

6. ___

Jordan buys twenty-four gumballs at the candy store. On the way home, he chews six gumballs and gives three to his sister. How many gumballs does Jordan have left when he gets home?

A   13   B   14   C   15   D   16

7. ___

LIVEWORKSHEETS

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The table below shows the number of crayons in each box. If every box has the same number of crayons, how many crayons will be in 8 boxes?

Number of Boxes	Number of Crayons
1	8
2	16
3	24

A 8   **B** 32   **C** 64   **D** 72

Which factor pair does not belong to 36?

A 1, 36   **C** 6, 6
B 2, 12   **D** 4, 9

Adam spins a spinner 12 times. The results are shown in the bar graph below. Which fraction of the spins were red or blue?

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

8. ____

9. ____

10. ____

③
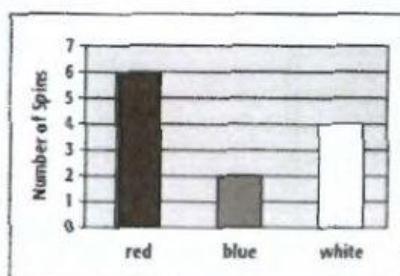
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Inali ate $\frac{3}{8}$ of a pizza. His friend ate $\frac{1}{4}$ of the pizza. How much did they eat all together.

11. _____
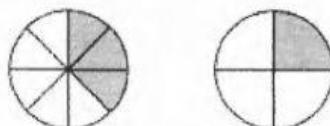
A $\frac{1}{3}$

B $\frac{1}{2}$

C $\frac{5}{8}$

D $\frac{3}{4}$

Carmen created the following table of multiplication facts for 100. If the pattern continues, what is 100×12?

12. _____

#	× 100
1	100
2	200
3	300
4	400
5	500

A 120   B 210   C 1,200   D 2,100

(4)

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What is the volume of the figure?
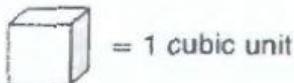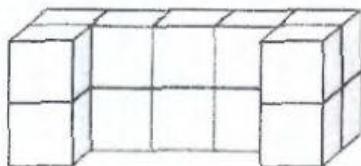
= 1 cubic unit

13. ___

F 10 cubic units   H 14 cubic units
G 12 cubic units   J 16 cubic units

Which of the following does not describe the figure below?

14. ___
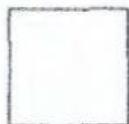
A square   C quadrilateral
B rectangle.   D trapezoid

Which best describes this figure?

15. ___
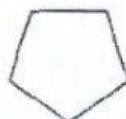
F pentagon   H triangle
G hexagon   J octagon

⑤

Diagnostic Test

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Use a ruler to measure the length of the rectangle below in centimeters. Convert this length to meters.

A 8 m
B 0.8 m
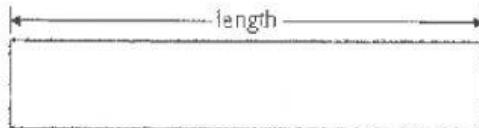
C 0.08 m
D 0.008 m

Which of the following is equal to 4 gallons?

A 1 quart
B 8 quarts

C 12 quarts
D 16 quarts

16. ___

17. ___