مدارس الأنجال الأهلية
Al- Anjal private School
American Division

ACCREDITED

وزارة التعليم
Ministry of Education

Grade	Subject	chapter	lesson	Date
8	**Math**	**1**	**All**	**28/09/2021**

Student's Name : ....
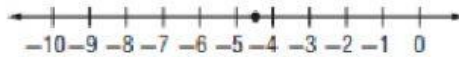
Write the letter for the correct answer in the blank at the right of each question.

1. What is the value of the expression $(-4)^3$?

   A. -64 **B.** -12 **C.** 12 **D.** 64

2. Using exponents, what is the simplified form of $\frac{12x^5}{6x^2}$?

   F. 2^3 **G.** 6^3 **H.** $6x^3$ **I.** $2x^3$

3. Using exponents, what is the simplified form of $(-3x^4y^2)^2$?

   A. $-6x^6y^4$ **B.** $6x^8y^4$ **C.** $-9x^8y^4$ **D.** $9x^8y^4$

4. How is the expression 10^{-5} written using a positive exponent?

   F. -10^5 **G.** $\frac{1}{10^5}$ **H.** 10^{-5} **I.** 0.0001

5. The Statue of Liberty weighs 450,000 pounds. What is this number written in scientific notation?

   A. 4.5×10^{-5} **C.** 4.5×10^4

   B. 4.5×10^{-4} **D.** 4.5×10^5

6. What is the value of the expression $-\sqrt{\frac{144}{100}}$?

   F. -120 **G.** $\frac{36}{25}$ **H.** $-\frac{6}{5}$ **I.** $\frac{6}{5}$

7. To the nearest whole number, what is the best estimate of $\sqrt{214}$?

   A. 9 **B.** 15 **C.** 36 **D.** 41.5

8. Which of the following is equivalent to $-\frac{9}{15}$?

   F. -9.15 **G.** -0.6 **H.** 0.6 **I.** 9.15

9. Which of the following is equivalent to $0.\overline{75}$?

   A. $\frac{3}{4}$ **B.** $\frac{75}{100}$ **C.** $\frac{25}{33}$ **D.** $7\frac{1}{2}$

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10. The area of a square sandbox is 83 square feet. To the nearest foot, what is the perimeter of the sandbox?

F. 9 ft   G. 9.1 ft   H. 36 ft   I. 41.5 ft   10. _____

11. Which number best represents the point graphed on the number line?

$-10\ -9\ -8\ -7\ -6\ -5\ -4\ -3\ -2\ -1\ \ 0$

A. $\sqrt{-20}$ B. $-\sqrt{20}$ C. $-\sqrt{25}$ D. $\sqrt{25}$ 11. _____

12. The band is selling 50 hats for a fundraiser. Each hat is being sold for $12. The hats cost a total of $400. If they sell all of the hats, how much money will be raised by the band? Use the *four-step plan*.   12. _____

13. Recently in the United States, there were about 300,000,000 cell phone users. That same year, there were 5.7×10^9 cell phone users worldwide. About how many times larger was the number of cell phone users worldwide than in the United States?   13. _____

14. Tito is installing a new kitchen floor. The kitchen is square in shape and has an area of 441 square feet. What is the length of one side of Tito's kitchen?   14. _____

15. Name one whole number, one integer, one rational number, and one irrational number. Do not use the same number twice.

15. _____

Whole: _____

Integer: _____

Rational: _____

Irrational: _____

16. Find $\sqrt[3]{216}$.   16. _____

17. Estimate $\sqrt[3]{130}$ to the nearest whole number.   17. _____

18. Solve the equation $x^2 = 400$.   18. _____

Teacher
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LIVEWORKSHEETS