ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

Sub: Arithmetic **Class: 7** **Date: 10.07.20**

Duration: 40 Min **Worksheet 54** **Full Marks: 15**

SQUARES AND SQUARE ROOTS

Choose the correct options:

1. The area of a square is 117 square meters. Which best represents the length of a side of the square?
   (a) 10.8 m
   (b) 11 m
   (c) 10 m
   (d) 11.2 m
2. Mr. Cleaves wrote four irrational numbers on the SMART board and asked Saul to choose the number closest to 4. Which irrational number should Saul choose?
   (a) √8
   (b) √17
   (c) √12
   (d) √10
3. Square roots are the opposite of _____.
   (a) Cube Roots
   (b) Squaring
   (c) Multiplication
   (d) Absolute Value
4. A perfect square is a number whose square root is _____.
   (a) Even
   (b) irrational
   (c) Rational
   (d) Odd
5. An imperfect square is a number whose square root is _____.
   (a) Even
   (b) irrational
   (c) Rational
   (d) Odd
6. Evaluate
   √36
   (a) 6
   (b) -9
   (c) 18
   (d) -18
7. Estimate √50. Round your answer to the nearest Whole Number.
   (a) 5
   (b) 10
   (c) 25
   (d) 7
8. Evaluate √72. Round your answer to the nearest Whole Number.
   (a) 7.2
   (b) 7
   (c) 8
   (d) 9
9. If I know the area of a square, how do I find the side length?
   (a) I square the area.
   (b) I divide the area by 2.
   (c) I take the square root of the area.
   (d) I divide the area by 4.

10. 13^2
(a) 26
(b) 196
(c) 144
(d) 169
11. $\sqrt{144}=$
(a) -6
(b) 6
(c) -18
(d) 12
12. $\sqrt{256}=$
(a) 32
(b) 8
(c) 4
(d) 16
13. In between what two integers is the square root of 77?
(a) 5 and 6
(b) 6 and 7
(c) 7 and 8
(d) 8 and 9
14. In between what two integers is the square root of 44?
(a) 3 and 4
(b) 4 and 5
(c) 5 and 6
(d) 6 and 7
15. Round to the Nearest Hundredth: $\sqrt{13}$
(a) 5.6
(b) 2.6
(c) 3.9
(d) 3.6