



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



Sub: Arithmetic
Duration: 40 Min

Class: 7
Worksheet Solution 54

Date: 10.07.20
Full Marks: 15

SQUARES AND SQUARE ROOTS

Choose the correct options:

- 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
- 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) $\sqrt{8}$
(b) $\sqrt{17}$
(c) $\sqrt{12}$
(d) $\sqrt{10}$
- Square roots are the opposite of _____.
(a) Cube Roots
(b) Squaring
(c) Multiplication
(d) Absolute Value
- A perfect square is a number whose square root is _____.
(a) Even
(b) irrational
(c) Rational
(d) Odd
- An imperfect square is a number whose square root is _____.
(a) Even
(b) irrational
(c) Rational
(d) Odd
- Evaluate $\sqrt{36}$
(a) 6
(b) -9
(c) 18
(d) -18
- Estimate $\sqrt{50}$. Round your answer to the nearest Whole Number.
(a) 5
(b) 10
(c) 25
(d) 7
- Evaluate $\sqrt{72}$. Round your answer to the nearest Whole Number.
(a) 7.2
(b) 7
(c) 8
(d) 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