

DAV PUBLIC SCHOOL, SASARAM

2ND PRACTICE SET FOR MATHEMATICS

CLASS- 8 (A&B)

SUB. TEACHER- KANCHAN PATEL

DATE- 30TH APRIL

TOPIC- SQUARE AND SQUARE ROOTS

Q1. Use your square root estimation skills and fill in the blanks.

HINT- $\sqrt{200}$ is between and

$$14 \times 14 = 196$$

$$15 \times 15 = 225$$

- i. $\sqrt{31}$ is between and
- ii. $\sqrt{134}$ is between and
- iii. $\sqrt{8}$ is between and
- iv. $\sqrt{80}$ is between and

v. $\sqrt{111}$ is between and

vi. $\sqrt{320}$ is between and

vii. $\sqrt{3}$ is between and

Q2. Solve it.

i. $\sqrt{121} - \sqrt{16} = \square$

ii. $\sqrt{144} - \sqrt{36} = \square$

iii. $\sqrt{64} - \sqrt{9} = \square$

iv. $\sqrt{25} + \sqrt{16} = \square$

v. $\sqrt{9} + \sqrt{81} = \square$

vi. $\sqrt{81} - \sqrt{9} = \square$

vii. $\sqrt{64} + \sqrt{1} = \square$

Q3. Calculate and simplify the following square roots.

i. $\sqrt{10}/\sqrt{40} = \text{-----}$

ii. $\sqrt{11}/\sqrt{99} = \text{-----}$

iii. $\sqrt{25}/\sqrt{49} =$ _____

iv. $\sqrt{54}/\sqrt{96} =$ _____

v. $\sqrt{2}/\sqrt{72} =$ _____

vi. $\sqrt{4}/\sqrt{64} =$ _____