

Worksheet -3

Subject: - Mathematics

Class: - VIII

Teacher: - Ms. Neeru

Name: _____ Class & Sec: _____ Roll No. _____ Date: 05.08.2020

Exercise 6.4

Question 1:

Find the square roots of each of the following numbers by Division method:

(i) 2304

(ii) 3481

(iii) 3249

(iv) 5776

(v) 576

(vi) 3136

(vii) 4489

(viii) 529

(ix) 1369

(x) 7921

(xi) 1024

(xii) 900

Answer 1:

(i) 2304

Hence, the square root of 2304 is 48.

(ii) 4489

Hence, the square root of 4489 is 67.

(iii) 3481

Hence, the square root of 3481 is 59.

(iv) 529

Hence, the square root of 529 is 23.

(v) 3249

Hence, the square root of 3249 is 57.

(vi) 1369

Hence, the square root of 1369 is 37.

(vii) 5776

Hence, the square root of 5776 is 76.

(viii) 7921

Hence, the square root of 7921 is 89.

(ix) 576

Hence, the square root of 576 is 24.

(x) 1024

Hence, the square root of 1024 is 32.

(xi) 3136

Hence, the square root of 3136 is 56.

$$\begin{array}{r} 48 \\ 4 \overline{) 2304} \\ \underline{23} \\ 88 \\ \underline{88} \\ 0 \\ 0 \end{array}$$

$$\begin{array}{r} 67 \\ 6 \overline{) 4489} \\ \underline{44} \\ 127 \\ \underline{127} \\ 0 \\ 0 \end{array}$$

$$\begin{array}{r} 59 \\ 5 \overline{) 3481} \\ \underline{34} \\ 109 \\ \underline{109} \\ 0 \\ 0 \end{array}$$

$$\begin{array}{r} 23 \\ 2 \overline{) 529} \\ \underline{4} \\ 43 \\ \underline{46} \\ 0 \\ 0 \end{array}$$

$$\begin{array}{r} 57 \\ 5 \overline{) 3249} \\ \underline{25} \\ 107 \\ \underline{107} \\ 0 \\ 0 \end{array}$$

$$\begin{array}{r} 37 \\ 3 \overline{) 1369} \\ \underline{9} \\ 67 \\ \underline{69} \\ 0 \\ 0 \end{array}$$

$$\begin{array}{r} 76 \\ 7 \overline{) 5776} \\ \underline{49} \\ 146 \\ \underline{146} \\ 0 \\ 0 \end{array}$$

$$\begin{array}{r} 89 \\ 8 \overline{) 7921} \\ \underline{64} \\ 169 \\ \underline{152} \\ 169 \\ \underline{169} \\ 0 \\ 0 \end{array}$$

$$\begin{array}{r} 24 \\ 2 \overline{) 576} \\ \underline{4} \\ 44 \\ \underline{48} \\ 0 \\ 0 \end{array}$$

$$\begin{array}{r} 32 \\ 3 \overline{) 1024} \\ \underline{9} \\ 62 \\ \underline{64} \\ 0 \\ 0 \end{array}$$

$$\begin{array}{r} 56 \\ 5 \overline{) 3136} \\ \underline{25} \\ 106 \\ \underline{106} \\ 0 \\ 0 \end{array}$$