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WORK SHEET
SUBJECT- MATHS
Chapter-6 : Square & Square Roots

CLASS- VIII

Q.1 Do as directed:-

1) Identify the numbers which are not perfect squares:-

(i) 3107 (ii) 6682 (iii) 2260 (iv) 924

2) Identify the numbers whose squares would end with 9:-

(a) 123 (ii) 77 (iii) 82 (iv) 109

3) Identify the numbers whose squares would end with 6:-

(i) 19 (ii) 24 (ii) 36 (iv) 34

4) Pick out the numbers which are the squares of odd natural numbers:-

(i) 440 (ii) 2601 (iii) 6084 (iv) 5329

5) Without adding , find the value of the following:-

(i) 1+3+5+7+9+11

(ii) 1+3+5+7+9+11+13+15+17

6) How many non-square numbers lie between 1000^2 and 1001^2 ?

7) Identify the square root of 4.0401:-

(i) 4.01 (ii) 2.01 (iii) 2.1 (iii) 4.2

8) Identify the squareroot of 0.0121:-

(i) 1.1 (ii) 2.01 (iii) 0.11 (iv) 0.023

9) Identify the square of 999:-

(i) 998001 (ii) 869999 (iii)89511

10)The value of 53^2-52^2 is

(i) 100 (ii) 1^2 (iii) 105 (iv) 51^2

Q.2 Find the square roots of the following by the prime factorisation method:-

(i) 529 (ii) 8100

Q.3 By which smallest number should we multiply the following numbers to make them perfect squares? Find the square root of the perfect square.

(i) 7203 (ii) 1280

Q.4 By which smallest number should we divide the following numbers to make them perfect square.

(i) 7938 (ii) 9075

Q.5 Find the square root of 0.0256.

Q.6 Find the square root of the following numbers by the long division method:-

(i) 168100 (ii) 233289

Q.7 Find the least number which should be subtracted from the following numbers to get a perfect square . Also find the square root of the perfect square:-

(i) 42448 (ii) 99230

Q.8 Find the least number which should be added to the following numbers to make them perfect squares. Also find the square root of the perfect square.

(i) 33304 (ii) 44841

Q.9 Find the smallest square number which can be completely divided by 6,10&12.

Q.10 Find the approximate value of √90.

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