

1.9

# Non perfect Roots

	Perfect Squares	Perfect Cubes
1	1	1
2	4	8
3	9	27
4	16	64
5	25	125
6	36	216
7	49	343
8	64	512
9	81	729
10	100	1,000

Estimate  $\sqrt{54}$       ⑦ 49      ⑧ 64

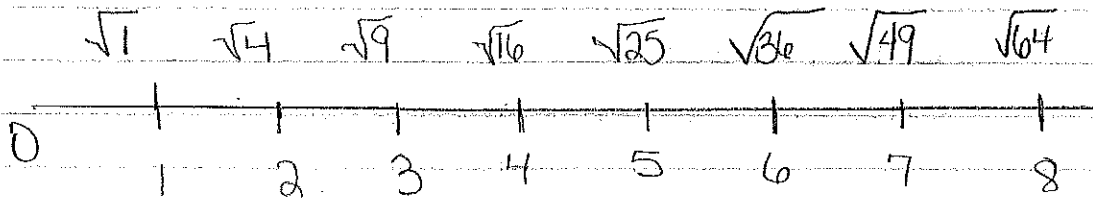
① Find perfect square that it's between

- 54 is btwn 49 & 64
- closer to 49

$\sqrt{54} \approx 7.2$        $\sqrt{54} = 7.3$

$\sqrt{77}$  btwn 8      9       $\sqrt{77} \approx 8.8$   
 64      81

$\sqrt{77} = 8.77$



$\sqrt{27}$    btwn 5 and 6  
 closest to 5.

$\sqrt{20}$    btwn 4 and 5  
 closest to 4

16 17 18 19 (20) 21 22 23 24 25  
 4   ←   5