

1<sup>st</sup> 5  
Simplify

1.  $\sqrt{675}$   $\sqrt{225 \cdot 3} = 15\sqrt{3}$

2.  $\sqrt{605}$   $\sqrt{121 \cdot 5} = 11\sqrt{5}$

Write in scientific notation.

3. 60,450,000,000  $6.045 \times 10^{10}$

4. .00000123  $1.23 \times 10^{-6}$

Write in standard form.

5.  $1.8 \times 10^{-3}$  .0018

6.  $4.1 \times 10^6$  4,100,000

Numbers Day 5A

1) 70,000 7) 301.07 (13)

2) 0.03 8) 0.00009407 0.0080023

3) 260,000 9) 31,300,000 (14)

4) 0.00071 10) 0.00837 690,200,000

5) 0.0000571 11) 0.0018 (5) 1,00,500

6) 41,550,000 12) 1600 (16) 0.0095

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17)  $5.1 \times 10^7$  23)  $2 \times 10^{-3}$

18)  $9.75 \times 10^{11}$  24)  $1.095 \times 10^{-3}$

19)  $1.2 \times 10^{-7}$  25)  $1.94 \times 10^5$

20)  $5.008 \times 10^{-6}$  26)  $1.54 \times 10^1$

21)  $1.56 \times 10^{12}$  27)  $5 \times 10^4$

22)  $5 \times 10^5$  28)  $3.1 \times 10^{-6}$

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29)  $7.9 \times 10^5$

30)  $2.5 \times 10^{-1}$

31)  $1.59 \times 10^{-10}$

32)  $5.0009 \times 10^{12}$

Numbers Day 5A

33.  $4 \times 10^{-10}$ ,  $6 \times 10^{-8}$ ,  $7 \times 10^{-7}$ ,  $5 \times 10^{-6}$

34.  $5.01 \times 10^{-4}$ ,  $4.8 \times 10^{-3}$ ,  $5.2 \times 10^{-2}$ ,  $5.6 \times 10^{-2}$

35.  $6.34 \times 10^{-1}$ ,  $6.2 \times 10^2$ ,  $6.207 \times 10^3$ , 62,040

36.  $10^{-3}$ ,  $5 \times 10^{-3}$ ,  $8 \times 10^{-2}$ ,  $4 \times 10^{-1}$

→ .01  
→ .001  
→ .0001

$\frac{1}{100}$   
 $\frac{1}{1000}$   
 $\frac{1}{10000}$  Smallest

$1 \times 10^{-2}$

Numbers Day 5A

## Practice Work # 14

### (PW 14)

⦿ Review Numbers Part 2 (properties, radicals, and scientific notation)

Numbers Day 5A