## Math 8 - Quarter 1 - Week 6



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| 11. Simplify $2 \sqrt{49}-\sqrt{146-25}+9$ | 12. Joseph is measuring the length of his house. He finds it is $25 . \overline{4}$ feet long. Write this value as an improper fraction. |
| :---: | :---: |
| 13. Circle the rational numbers. $\begin{gathered} -\frac{3}{11} \\ \sqrt{36} \\ \frac{-2 \pi}{5} \\ 3 \sqrt{200-4} \\ \hline \end{gathered}$ | 14. Simplify $\frac{4^{-1}}{4^{-4}}$ |
| 15. Benjamin is moving to college. He has six cubic crates to pack his things. Each crate has a side length of 3 feet. What's the total volume of all six crates? | 16. One side of a pentagon measures $\sqrt{40}$ inches. What is the measure of this side as a decimal to the nearest hundredth? |
| 17. Simplify $\left(a^{-4} b c^{3}\right)^{0} \cdot a^{3} b$ | 18. Victoria is helping her teacher decorate a square bulletin board. The area of the board is 144 square inches. How many inches of border does Victoria need to go around the bulletin board? |
| 19. Simplify | 20.Circle the natural numbers. |
| $\frac{2}{5} \cdot 0 . \overline{1}$ | $\frac{18}{3}$ |
|  | $4 \sqrt{9}$ |
|  | -6 |
|  | 0 |

