| Convert: <br> 54 feet per second to meters per second. |  |
| :--- | :--- |
| Determine whether the situation is exact, <br> approximate or an estimate: <br> A square with a side length of 12 feet has a <br> diagonal that is 16.97 feet. |  |
| Jesse mixed 8.2 oz of paprika with 12.26 oz of pepper. <br> How much of the spice combination does Jesse have? <br> Explain where to round your answer. | Determine whether the situation is exact, approximate or an <br> estimate: |
| Wedding planner needs to determine how many |  |
| appetizers to order for between 200 and 220 guests |  |


| WEDNESDAY |  |
| :---: | :---: |
| $x^{2} \cdot x^{3} \quad \text { Exponents Review: simplify }$ | Convert: 67 miles per hour to feet per second. |
| Closure Property: Are INTEGERS closed under multiplication? Why or why not? | Rationalize the denominator. $\frac{\sqrt{5}}{2 \sqrt{3}}$ |
| Are INTEGERS closed under subtraction? Why or why not? | Exponents Review: simplify $\frac{3 x^{-2} y^{6}}{5 x^{3} y^{-1}}$ |
| Are irrational numbers closed under multiplication? If not, give an example. | Closure Property: Are WHOLE Numbers closed under multiplication? <br> Why or why not? |


| WHURSDAY |  |
| :---: | :---: |
| Decide if the answer is always, sometimes or never. <br> -Rational + Irrational = Irrational <br> - Irrational + irrational = irrational | Rationalize the denominator. $\frac{5}{2 \sqrt{3}}$ |
| Decide if the answer is always, sometimes or never. <br> **Note: assume the rational numbers are nonzero. <br> -Rational times Irrational = Irrational <br> - Irrational times irrational = rational | Exponents Review: simplify $\left(\frac{1}{2}\right)^{-3}$ |
| Are WHOLE numbers closed under subtraction? Why or why not? | Are irrational numbers closed under addition or subtraction? |
| Are rational numbers closed under division (non-zero rational numbers)? | Find the area of the right triangle in terms of a. |

