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| Monday |
| Convert 52 gallons per hour to liters per hour.  | Convert 200 meters to inches |
| Simplify the radicals.$$\sqrt{x^{2}y^{4}z^{8}}$$ | Simplify the radicals.$$\sqrt{4}∙\sqrt{12}$$ |
| Simplify the radicals.$$\sqrt{54}-2\sqrt{24}$$ | Simplify the radicals.$$3\sqrt{20}-2\sqrt{45}$$ |
| Determine the number of Significant Digits.**0.1760** | Determine the number of Significant Digits.**0.000705** |

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| Tuesday |
| Tell the number of sig figs.1000 | Tell the number of sig figs.0.000004598 |
| Add the following and round to the proper place.$$5.677 - 2$$ | Multiply the following and round to the appropriate sig fig. $(1.56)(200)$ |
| Tell if the problem is exact, approximate or estimated.A circle with radius 4 cm has an area of 50.26 | Tell if the problem is exact, approximate or estimated.I am making homemade dumplings without any measuring cups. I use some flour, butter and pours in milk until the dough looks right.  |
| When adding or multiplying a rational number by an irrational number, the answer will \_\_\_\_\_\_\_\_\_\_\_ be irrational. Fill in the blank with always, sometimes or never. Give an example.  | When multiplying two irrational numbers, the answer will \_\_\_\_\_\_\_\_\_\_\_ be irrational. Fill in the blank with always, sometimes or never. Then give an example.  |

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| Wednesday |
| Rationalize denominator | Simplify using exponent rules$$\left(2^{5}\right)^{3x+5}$$ |
| Simplify | Determine whether the situation is exact, approximate or an estimate:Wedding planner needs to determine how many appetizers to order for between 200 and 220 guests |
| Simplifying Radicals: Adding/subtracting$$3\sqrt{2}+\sqrt{50}-6\sqrt{32}$$ | Determine whether the situation is exact, approximate or an estimate:A square with a side length of 12 feet has a diagonal that is 16.97 feet. |

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| THURSDAY |
| Closure Property: Are WHOLE Numbers closed under multiplication?Why or why not?  | Decide if the answer is always, sometimes or never. \*\*Note: assume the rational numbers are nonzero. * Rational • Irrational = Irrational
* Irrational • irrational = rational
* Rational + Irrational = Irrational
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| Closure Property: Are INTEGERS closed under multiplication? Why or why not?  |
| Are INTEGERS closed under subtraction? Why or why not?  | Find the area of the right triangle in terms of a.  |
| Are irrational numbers closed under multiplication? If not, give an example.  | Simplifying Radicals: Multiplication$$\sqrt{2}∙(-3\sqrt{32})$$ |