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| **Week of:** **March 9, 2015** | **Teacher: Brooke Sargent** | **Grade Level: 6** | **Subject: Course 1 Math** **ADVANCED** |
|  | **Monday, 3/9** | **Tuesday, 3/10** | **Wednesday, 3/11** | **Thursday, 3/12** | **Friday, 3/13** |
| **Objective:**Goals for the Day | Students will be able to:-define combination.-use a table to find combinations. | Students will be able to:-define permutation, factorial.-use a list to find permutations.-use FCP to find the number of permutations. | Students will be able to:-make sense of problems and persevere in solving them. | Students will be able to:-use an organized list to find probability.-use a tree diagram to find probability.-find the probability of compound events. | Students will be able to:-CELEBRATE PI DAY (3/14)-receive help with any difficulties in understanding on assignments.-get caught up with missing assignments. |
| **Standards:**  | CC.7.SP.8  | CC.7.SP.8 |  | CC.7.SP.8 |  |
| **Materials/****Advanced Preparation:** | -Holt Math books-Worksheet 10-7A | -Holt Math books-Worksheet 10-8A | -Probability Problem Solving Lab  | -Holt Math books-Worksheet 10-9A | -Math binders |
| **Effective Teaching Strategies:**  | SD, PK, CL, RP, PCJ, GO | SD, PK, CL, RP, PCJ, GO | SD, PK, CL, RP, PCJ, GO | SD, PK, CL, RP, PCJ, GO | SD, PK, CL, RP, PCJ, GO |
| **Daily** **Warm Up:** **5-10 minutes** | Daily Transparency 10-7A | Daily Transparency 10-8A | N/A | Daily Transparency 10-9A | N/A |
| **Lesson:****30-45 minutes**Instruction | -Holt Math 10-7A: Combinations | -Grade HW-Holt Math 10-8A: Permutations | -Grade HW | -Holt Math 10-9a: Probability of Compound Events | N/A |
| **Mental Math:****5-10 minutes**Classroom activities & problems | -Examples #1-2 | -Examples #1-2 | -Example | -Examples #1-3  | N/A |
| **Workshop****30-45 minutes**Group work | -Worksheet 10-7A | -Worksheet 10-8A | -Probability Problem Solving Lab | -Worksheet 10-9A | -Pull aside students with low scores for small group intervention |
| **Closure:**Key concepts, how will you know they “got it”? | Ticket out: How can combinations help you find the probability of an event? | Ticket out:Explain why 8! Gives the number of permutations of 8 objects. | Ticket out: What are you doing to explain the reasoning behind your solutions? | Ticket out: Explain how organized lists, tree diagrams, and tables help find the sample space in an experiment. | Ticket out:Are you caught up? Do you have any questions? |
| **Independent Practice:**Homework as needed | -Worksheet (if not completed in class) | -Worksheet (if not completed in class) | Finish Lab | -Worksheet (if not completed in class) | None |