|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 |