$\qquad$ Date $\qquad$ Class $\qquad$

## Lssson Practice B

## 9-2 Experimental Probability

1. A number cube was thrown 150 times. The results are shown in the table below. Complete the table with the experimental probability for each outcome.

| Outcome | 1 | 2 | 3 | 4 | 5 | 6 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Frequency | 33 | 21 | 15 | 36 | 27 | 18 |
| Probability |  |  |  |  |  |  |

A movie theater sells popcorn in small, medium, large and jumbo sizes. The customers of the first show purchase 4 small, 20 medium, 40 large, and 16 jumbo containers of popcorn. Find the probability of the purchase of each of the different size containers of popcorn.
2. $P$ (small container)
3. $P$ (medium container)
4. $P$ (large container)
$\qquad$
If the theater has 260 customers for the second show, predict how many containers of each size popcorn will be sold based on the purchases during the first show.
6. Number of small containers sold
8. Number of large containers sold
$\qquad$
10. The class president made 75 copies of the flyer advertising the school play. It was found that 6 of the copies were defective.
What is the probability that a flyer will be printed properly?
11. If 400 more flyers must be printed, predict how many will be defective.
7. Number of medium containers sold
9. Number of jumbo containers sold
$\qquad$


