

# "ODDS"

# Act. # 38

## Definition of ODDS: the ratio of success: failures

1. What is the odds of rolling a 3 on a die?
2. There are 25 people. 10 of them are teen. What are the odds that a person is a teen?
3. If the probability of an event occurring is  $\frac{4}{7}$ . What is the odds of the event occurring?
4. If the probability of an event occurring is  $\frac{3}{8}$ . What is the odds of the event NOT occurring?
5. If the odds in favor of an event occurring are 2:6. What is the probability of the event occurring?
6. If the odds in favor of an event occurring are 7:5, what is the probability of the event occurring?
7. If the odds against an event occurring are 9:14, what is the probability of the event occurring?

The number of males and females enrolled in Blue Dolphin High School are listed per class in the table below. Use this table to answer questions 20 through 23.

8. If a student is chosen at random, what is the probability that the student is a female?
9. If a student is chosen at random, what is the probability that the student is a male in Grade 11?

Blue Dolphin High School		
Grade	Male	Female
9	120	150
10	100	100
11	130	110
12	150	175

10. If one student is chosen to represent the student body, what are the odds in favor of selecting a female?
11. If one student is chosen from Grade 12, which is more likely, selecting a male or selecting a female?