



# Puzzle Time

## What Happens When You Throw A Clock In The Air?

Write the letter of each answer in the box containing the exercise number.

**Find the number of possible outcomes in the sample space.**

1. You roll a six-sided die and flip two coins.
2. You draw two marbles without replacement from a bag containing four red marbles, two yellow marbles, and five blue marbles.
3. You flip six coins.
4. A bag contains eight black cards numbered 1 through 8 and six red cards numbered 1 through 6. You choose a card at random.

**Find the probability.**

5. You draw a number card from a standard deck of 52 playing cards.
6. When two six-sided dice are rolled, there are 36 possible outcomes. Find the probability that the sum is less than 5.
7. In a classroom of 20 students, 12 students have brown hair, 4 students have blonde hair, 3 students have red hair, and one student has black hair. Find the probability of randomly selecting a blonde haired student from the classroom.

**Answers**  
  
**P.**  $\frac{1}{5}$   
  
**T.** 24  
  
**E.** 14  
  
**S.**  $\frac{9}{13}$   
  
**I.** 110  
  
**M.** 64  
  
**U.**  $\frac{1}{6}$

1	2	3	4	5		6	7
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