

Quiz: Binomial Probability

1 The probability that Kyla will score above a 50 on a mathematics test is  $\frac{2}{8}$ . What is the probability that she will score above a 50 on exactly two of the three tests this quarter?

2 Write a fraction that represents the probability of obtaining exactly nine heads in fifteen tosses of a fair coin?

3 A fair coin is tossed 12 times. What is the probability that it lands tails up exactly 3 times?

4 On any given day, the probability that the entire Watson family eats dinner together is  $\frac{2}{8}$ . Find the probability that, during any 9-day period, the Watson's eat dinner together at least four times.

5 The probability that Kyla will score above a 40 on a mathematics test is  $\frac{2}{9}$ . What is the probability that she will score above a 40 on exactly three of the four tests this quarter?

6 Write a fraction that represents the probability of obtaining exactly eight heads in ten tosses of a fair coin?

7 A fair coin is tossed 11 times. What is the probability that it lands tails up exactly 2 times?

8 On any given day, the probability that the entire Watson family eats dinner together is  $\frac{2}{9}$ . Find the probability that, during any 8-day period, the Watson's eat dinner together at least three times.

9 The probability that Kyla will score above a 70 on a mathematics test is  $\frac{3}{7}$ . What is the probability that she will score above a 70 on exactly four of the five tests this quarter?

10 Write a fraction that represents the probability of obtaining exactly two heads in five tosses of a fair coin?

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%