

At the end of the year, Students in Mr. Larsen's science classes received the following grade distribution: 30 A's, 40 B's, 50 C's, and 20 D's, and 10 F's. Design a pie chart to represent this data.

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At a local golf course, golf balls are sold individually. They arrive in 800 boxes each containing 12 golf balls. The golf course painted 50 of the golf balls yellow to indicate a prize. If you buy 4 individual golf balls, what is the best approximate for the probability that you will win a prize.

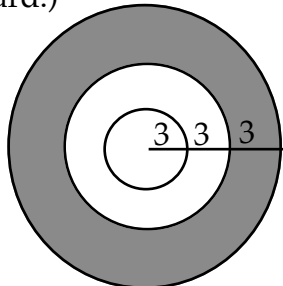
- a. $\frac{1}{12}$ b. $\frac{1}{48}$
 c. $\frac{1}{192}$ d. $\frac{1}{200}$

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On the dartboard below, there are 3 separate regions. The radius of the dartboard is 9. If a dart is thrown at the dartboard, what is the probability it will land in the shaded region? (Assume the dart will hit the board.)

- a. $\frac{1}{3}$
 b. $\frac{1}{9}$
 c. $\frac{4}{9}$
 d. $\frac{5}{9}$



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At Olympia high school, 100 seniors received academic scholarships. Coincidentally, 100 seniors also received athletic scholarships. Only 30 seniors received both athletic and academic scholarships. Draw a model representing this information, and determine how many of the 500 graduating seniors did NOT receive a scholarship.

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What is the next number in the sequence listed below?

0, 1, 3, 6....

- a. 9
 b. 10
 c. 11
 d. 12

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What is the rule for the pattern below?

1, 2, 4, 8

- a. $2n + 2$
 b. 2^n
 c. $2n$
 d. $2^{(n-1)}$

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