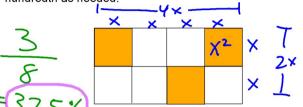
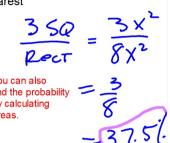


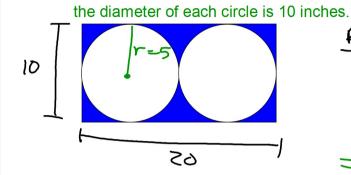
Find the probability that if a dart lands in the rectangle that it lands in the shaded region. Give your answer as a percent. Round to the nearest hundredth as needed.



Since the smaller pieces are equal in size you can find the probability by counting.



Find the probability that if a dart lands in the rectangle that it lands in the shaded region. Give your answer in terms of π and as a percent to the nearest tenth.



Rect - 2 circles

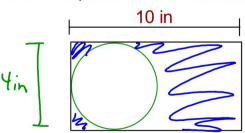
Pect

$$200 - 50T$$
 200

= 21.5%

The area of this rectangle is 40 in² -

Find the probability that a dart randomly lands in the rectangle but not in the circle. Give the answer as a percent to the nearest tenth.



$$\frac{\text{Rect} - \text{Circle}}{\text{Rect}}$$

$$= \frac{40 - \pi(2)^{2}}{40}$$

$$= 66.6\%$$

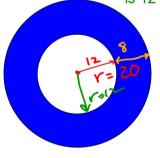
40 = b.h

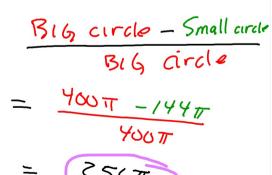
40 = 10 h

4in = h

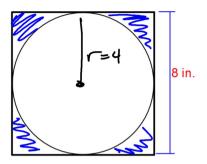
Find the probability that if a dart lands on the target that it lands in the shaded region. Give your answer in terms of π .

The radius of the smaller circle is 12 cm and the blue ring is 8 cm wide.





The circle is inscribed in the square. A dart lands in a random spot within the square. Find the probability that the dart doesn't land in the circle. Give answer as a percent to the nearest tenth.



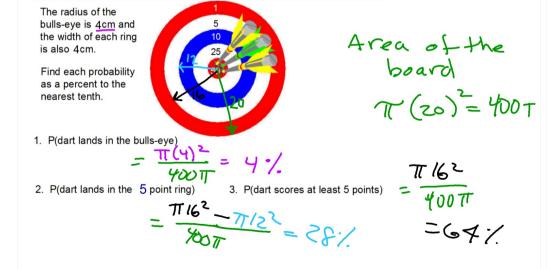
$$\frac{5Q - circle}{5Q}$$
 $\frac{5Q - circle}{5Q}$
 $\frac{64 - \pi(y)^{2}}{64}$
 $= 21.5\%$

Find the probability that a dart lands in the shaded region.

Give answer as a percent rounded to a hundredth.

Rect — Semi circle

Rect $140 - 2\pi(5)^2$



You can now finish Hwk #14

Sec 1-6

Due Thursday

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problems 11-14, 19, 24-27, 34, 36, 40