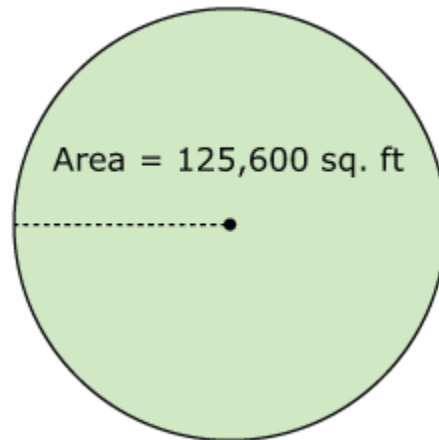


1. Denise wants to irrigate a circular field. She will irrigate the field with a straight pipe, as shown by the dashed line. The pipe will rotate about the center of the field.



She knows that the circular field has an area of 125,600 square feet. What is the length of the irrigation pipe? Use 3.14 for  $\pi$ .

- A** 200 ft                      **B** 400 ft                      **C** 628 ft                      **D** 20,000 ft

2. On any circle, which of the following would have the greatest measure?

- A** radius                      **B** diameter                      **C** circumference                      **D** chord

3. The circumference of a circle is about 50 centimeters. Which is closest to the length of its radius? Use 3.14 for  $\pi$ .

- A** 4 cm                      **B** 8 cm                      **C** 16 cm                      **D** 32 cm

4. The area of a round table in Kim's living room is 201 square inches. What is the circumference of the round table, to the nearest hundredth of an inch? ( $\pi \approx 3.14$ )

- A** 100.49 in                      **B** 89.03 in                      **C** 50.24 in                      **D** 25.12 in

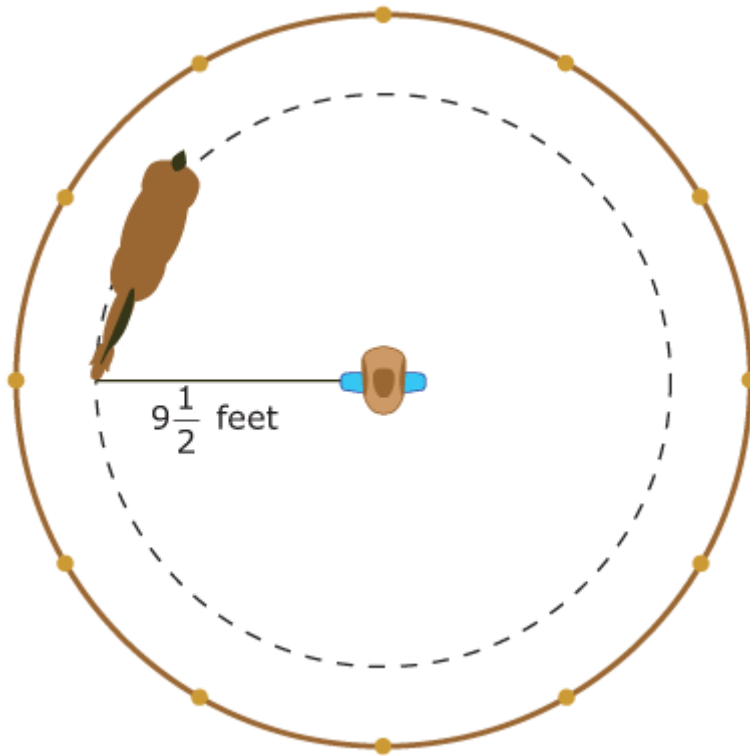
5. A circular mirror has a circumference of 85 inches. Which is closest to the diameter of the mirror? Use 3.14 for  $\pi$ .

- A** 5 in                      **B** 14 in                      **C** 54 in                      **D** 27 in

6. If the circumference of a circle is known, how can the radius be found?

- A** divide by  $2\pi$     **B** multiply by  $2\pi$     **D** multiply by  $2\pi$     **C** divide by  $\pi$

7. A man holds a rope that leads a horse. The horse walks in a circular path as shown by the dashed line, and the man stands in the center. The length of the rope from the man to the horse is  $9\frac{1}{2}$  feet. How far does the horse walk in one trip around the path?



- A** 30 feet    **B** 60 feet    **C** 119 feet    **D** 283 feet