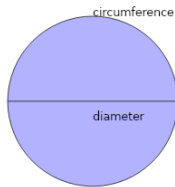




Explore the relationship between circumference and diameter

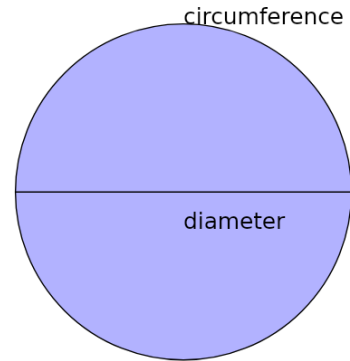


- 1** What is the name for the ratio of a circle's circumference to its diameter?



A Pegasus B Pastrami C Pi D Portal

- 2** What is the symbol that is used to represent the ratio of a circle's circumference to its diameter?

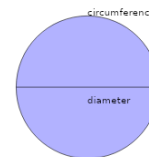


A κ	B ρ
C χ	D α
E ζ	F π

- 3** What is the definition of the constant Pi (π)?
 π

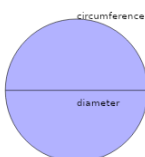
A $\frac{\text{tangent}}{\text{circumference}}$	B $\frac{\text{circumference}}{\text{tangent}}$
C $\frac{\text{chord}}{\text{circumference}}$	D $\frac{\text{diameter}}{\text{circumference}}$
E $\frac{\text{circumference}}{\text{diameter}}$	F $\frac{\text{circumference}}{\text{chord}}$

- 4** A circle's circumference is roughly how many times longer than its diameter?



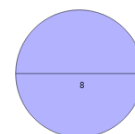
A 3	B 10	C 7
D 1	E 4	F 0

- 5** What is the ratio of a circle's circumference to its diameter?



A 23.89	B 3.14	C 26.65
D 8.67	E -23.14	F 10.06

- 6** Find the circumference without using a calculator. Remember that π is just a bit more than 3.



A 8	B 12.57	C 37.7
D 50.27	E 25.13	F 32



Explore the relationship between circumference and diameter

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3.1416

A $\frac{\text{diameter}}{\text{circumference}}$	B $\frac{\text{tangent}}{\text{circumference}}$
C $\frac{\text{circumference}}{\text{tangent}}$	D $\frac{\text{chord}}{\text{circumference}}$
E $\frac{\text{circumference}}{\text{diameter}}$	F $\frac{\text{circumference}}{\text{chord}}$

8

Given this information, what is the circumference of this circle

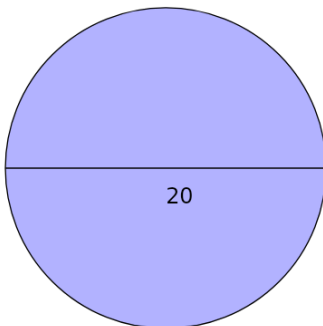
$$C = \pi \cdot d$$

$$\text{diameter} = 26$$

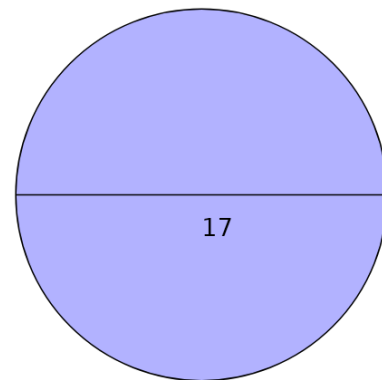
A $C = \pi \cdot 52^2$	B $C = \frac{\pi}{52}$
C $C = 2 \cdot \pi \cdot 27$	D $C = \pi \cdot \left(\frac{30}{2}\right)^2$
E $C = \pi \cdot 26$	F $C = \frac{\pi}{26}$

9

Find the equation that represents the circumference of this circle



A $C = \pi \cdot 20$	B $C = 2 \cdot \pi \cdot 23$
C $C = \pi \cdot 19^2$	D $C = \pi \cdot 22^2$
E $C = \pi \cdot 18^2$	F $C = \frac{\pi}{20}$

10Find the circumference of the circle as a function of π 

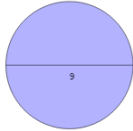
A 8π	B 18π
C 17π	D 21π
E 19π	F 13π



Explore the relationship between circumference and diameter

11

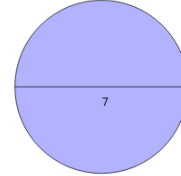
Find the circumference without using a calculator. Remember that π is just a bit more than 3.



A 9	B 47.12	C 28.27
D 40.84	E 40.5	F 63.62

12

Find the circumference of the circle



A 11	B 24.5	C 38.48
D 21.99	E 40.84	F 7

13

Given this information, what is the circumference of this circle

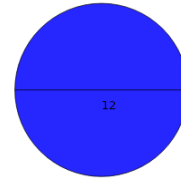
$$C = \pi \cdot d$$

$$\text{diameter} = 14$$

A $C = 2 \cdot 3.14 \cdot 16$	B $C = 3.14 \cdot 14$
C $C = \frac{3.14}{10}$	D $C = 2 \cdot 3.14 \cdot 12$
E $C = \frac{3.14}{15}$	F $C = 2 \cdot 3.14 \cdot 28$

14

Find the circumference of the circle



A 43.98	B 12	C 72
D 37.7	E 56.55	F 50.27