

CIRCUMFERENCE FORMULA

While the circumference and perimeter share similarities, there's a fundamental distinction between these two terms. The perimeter refers to the length of the outline of a shape with straight sides, while the circumference specifically pertains to the length of a circle's outline. The concept of circumference relates to thecomplete distance around the curved geometric shape.

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Q1: What is the formula for finding the circumference of a circle when you know its area?

A: C = $2\pi\sqrt{\text{Area}}$

B: C = $2\sqrt{\pi Area}$

C: C = $\pi\sqrt{(Area)}$

D: There is no direct formula for this calculation.

Q2: What is the perimeter of a circle with a radius of 9 inches?

A: 18 inches

B: 27 inches

C: 54 inches

D: 81 inches

Q3: Which term is synonymous with 'perimeter' when referring to a circle?

A: Circumference

B: Radius

C: Diameter

D: Area

Q4: What is the value of $Pi(\pi)$?

A: 20/7

B: 22/7

C: 22/6

D: 24/3

Q5: What is the circumference of a circle with a diameter of 10 cm?

A: 31.43 cm²

B: 30.67 cm

C: 32.89 cm

D: 31.43 cm



Q6: What is the diameter of a circle with a radius of 6 cm?

A: 12 cm²

B: 36 cm

C: 12 cm

D: 36 cm²

Q7: What is the circumference of a circle with a diameter of 100 cm?

A: 314.29 cm

B: 300 cm²

C: 320 cm

D: 310.33 cm

Q8: What is the Radius of the circle with a Diameter of 22 cm?

A: 44 cm

B: 11 cm

C: 44 cm²

D: 11 cm²

Q9: What is the Circumference of a circle with an Area of 30 cm²?

A: 19.42 cm²

B: 16.72 cm

C: 16.72 cm²

D: 19.42 cm

Q10: What is the circumference of a circle with a diameter of 50 cm?

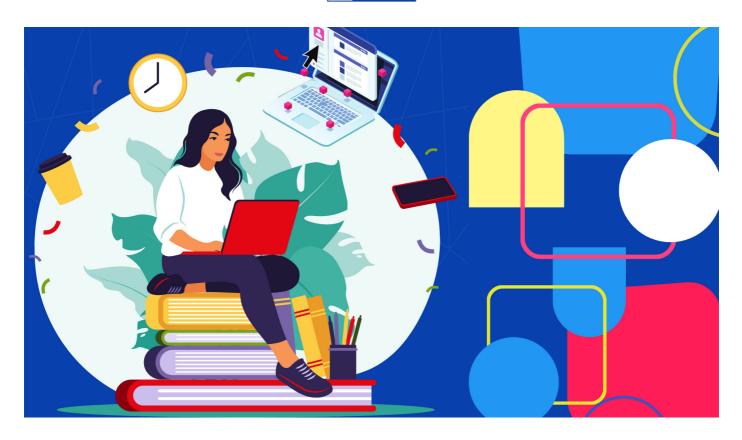
A: 160 cm

B: 145 cm

C: 157 cm

D: 100 cm





Answers

Q1: D - There is no direct formula for this calculation.

Q2: C - 54 inches

Q3: A - Circumference

Q4: B - 22/7

Q5: D - 31.43 cm

Q6: C - 12 cm

Q7: A - 314.29 cm

Q8: B - 11 cm

Q9: D - 19.42 cm

Q10: C - 157 cm