



Half Yin-Yang Formulas

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Examples!

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List of 12 Half Yin-Yang Formulas

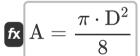
Half Yin-Yang 🗗

Area of Half Yin-Yang 🗗

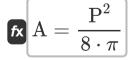
1) Area of Half Yin-Yang

$$\mathbf{f}\mathbf{x}oldsymbol{\mathrm{A}}=rac{\pi\cdot\mathrm{r}^2}{2}oldsymbol{\mathrm{A}}$$

ex $39.26991 \mathrm{m}^2 = rac{\pi \cdot (5 \mathrm{m})^2}{2}$



 $oxed{39.26991 ext{m}^2 = rac{\pi \cdot (10 ext{m})^2}{8}}$



ex $35.80986 \mathrm{m}^{_2} = \frac{(30 \mathrm{m})^2}{8 \cdot \pi}$



Diameter of Half Yin-Yang

- 4) Diameter of Half Yin-Yang
- fx $D=2\cdot r$

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- ex $10 \mathrm{m} = 2 \cdot 5 \mathrm{m}$
- 5) Diameter of Half Yin-Yang given Area
- $\mathbf{E} D = 2 \cdot \sqrt{rac{2}{\pi} \cdot \mathbf{A}}$
- $oxed{ex} 10.09253 \mathrm{m} = 2 \cdot \sqrt{rac{2}{\pi} \cdot 40 \mathrm{m}^2}$
- 6) Diameter of Half Yin-Yang given Perimeter
- $D = \frac{1}{\pi}$
- Perimeter of Half Yin-Yang
- 7) Perimeter of Half Yin-Yang
- fx $P=2\cdot\pi\cdot r$
- $\texttt{ex} \ 31.41593 \texttt{m} = 2 \cdot \pi \cdot 5 \texttt{m}$



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8) Perimeter of Half Yin-Yang given Area

 $extbf{P} = 2 \cdot \pi \cdot \sqrt{rac{2}{\pi} \cdot extbf{A}}$

ex $31.70662 ext{m} = 2 \cdot \pi \cdot \sqrt{rac{2}{\pi} \cdot 40 ext{m}^2}$

9) Perimeter of Half Yin-Yang given Diameter $oldsymbol{C}$

 $\texttt{ex} \ 31.41593 \texttt{m} = \pi \cdot 10 \texttt{m}$

Radius of Half Yin-Yang

10) Radius of Half Yin-Yang

 $\mathbf{f} \mathbf{x} = \frac{\mathbf{D}}{2}$

 $\boxed{5m = \frac{10m}{2}}$

11) Radius of Half Yin-Yang given Area

$$\mathbf{r} = \sqrt{\frac{2}{\pi} \cdot \mathbf{A}}$$

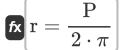
$$ag{5.046265} ext{m} = \sqrt{rac{2}{\pi} \cdot 40 ext{m}^2}$$







12) Radius of Half Yin-Yang given Perimeter 🗲



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$$= 2.774648 m = \frac{30m}{2 \cdot \pi}$$

Variables Used

- **A** Area of Half Yin-Yang (Square Meter)
- **D** Diameter of Half yin-Yang (Meter)
- P Perimeter of Half Yin-Yang (Meter)
- **r** Radius of Half Yin-Yang (Meter)





Constants, Functions, Measurements used

- Constant: pi, 3.14159265358979323846264338327950288
 Archimedes' constant
- Function: sqrt, sqrt(Number) Square root function
- Measurement: Length in Meter (m)

 Length Unit Conversion
- Measurement: Area in Square Meter (m²)

 Area Unit Conversion





Check other formula lists

- Annulus Formulas
- Antiparallelogram Formulas
- Arrow Hexagon Formulas
- Astroid Formulas
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- Cardioid Formulas
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 Formulas
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- Rectangle Formulas
- Rectangular Hexagon Formulas
- Regular Polygon Formulas
- Reuleaux Triangle Formulas
- Rhombus Formulas





- Right Trapezoid Formulas
- Round Corner Formulas
- Salinon Formulas
- Semicircle Formulas
- Sharp Kink Formulas
- Square Formulas
- Star of Lakshmi Formulas 💪
- T Shape Formulas

- Tangential Quadrilateral Formulas
- Trapezoid Formulas
- Tri-equilateral Trapezoid
 Formulas
- Truncated Square Formulas
- Unicursal Hexagram Formulas
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