Important Half Yin-Yang Formulas PDF

Formulas
Examples
with Units

1) Area of Half Yin-Yang Formulas

1.1) Area of Half Yin-Yang Formula

Evaluate Formula

Formula

$$A = \frac{\pi \cdot r^2}{2}$$

Example with Units

$$39.2699 \, \text{m}^2 = \frac{3.1416 \cdot 5 \, \text{m}^2}{2}$$

1.2) Area of Half Yin-Yang given Diameter Formula

Evaluate Formula

Formula

$$A = \frac{\pi \cdot D^2}{8}$$

Example with Units

$$39.2699 \, \text{m}^2 = \frac{3.1416 \cdot 10 \, \text{m}^2}{8}$$

1.3) Area of Half Yin-Yang given Perimeter Formula

Evaluate Formula

Formula

$$A = \frac{P^2}{8 \cdot \pi}$$

Example with Units

$$35.8099 \, \text{m}^2 = \frac{30 \, \text{m}^2}{8 \cdot 3.1416}$$

2) Diameter of Half Yin-Yang Formulas

2.1) Diameter of Half Yin-Yang Formula

Evaluate Formula

Formula

$$D = 2 \cdot r$$

Example with Units

$$10 \, \text{m} = 2 \cdot 5 \, \text{m}$$

2.2) Diameter of Half Yin-Yang given Area Formula

Evaluate Formula

Formula

$$D = 2 \cdot \sqrt{\frac{2}{\pi} \cdot A}$$

Example with Units

$$10.0925 \, \text{m} = 2 \cdot \sqrt{\frac{2}{3.1416} \cdot 40 \, \text{m}^2}$$

2.3) Diameter of Half Yin-Yang given Perimeter Formula

Evaluate Formula

Formula

$$D = \frac{P}{\pi}$$

Example with Units

$$9.5493 \, \text{m} = \frac{30 \, \text{m}}{3.1416}$$

3) Perimeter of Half Yin-Yang Formulas ⤇

3.1) Perimeter of Half Yin-Yang Formula ⤇

Evaluate Formula ⤇

Formula

$$P = 2 \cdot \pi \cdot r$$

Example with Units

$$31.4159\,\text{m} = 2 \cdot 3.1416 \cdot 5\,\text{m}$$

3.2) Perimeter of Half Yin-Yang given Area Formula ⤇

Evaluate Formula ⤇

Formula

$$P = 2 \cdot \pi \cdot \sqrt{\frac{2}{\pi} \cdot A}$$

Example with Units

$$31.7066\,\text{m} = 2 \cdot 3.1416 \cdot \sqrt{\frac{2}{3.1416} \cdot 40\,\text{m}^2}$$

3.3) Perimeter of Half Yin-Yang given Diameter Formula ⤇

Evaluate Formula ⤇

Formula

$$P = \pi \cdot D$$

Example with Units

$$31.4159\,\text{m} = 3.1416 \cdot 10\,\text{m}$$

4) Radius of Half Yin-Yang Formulas ⤇

4.1) Radius of Half Yin-Yang Formula ⤇

Evaluate Formula ⤇

Formula

$$r = \frac{D}{2}$$

Example with Units

$$5\,\text{m} = \frac{10\,\text{m}}{2}$$

4.2) Radius of Half Yin-Yang given Area Formula ⤇

Evaluate Formula ⤇

Formula

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

Example with Units

$$5.0463\,\text{m} = \sqrt{\frac{2}{3.1416} \cdot 40\,\text{m}^2}$$

4.3) Radius of Half Yin-Yang given Perimeter Formula ⤇

Evaluate Formula ⤇

Formula

$$r = \frac{P}{2 \cdot \pi}$$

Example with Units

$$4.7746\,\text{m} = \frac{30\,\text{m}}{2 \cdot 3.1416}$$

Variables used in list of Half Yin-Yang Formulas above

- **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 in list of Half Yin-Yang Formulas above

- constant(s): **pi**, 3.14159265358979323846264338327950288 *Archimedes' constant*
- Functions: **sqrt**, sqrt(Number) *A square root function is a function that takes a non-negative number as an input and returns the square root of the given input number.*
- Measurement: **Length** in Meter (m) *Length Unit Conversion*
- Measurement: **Area** in Square Meter (m²) *Area Unit Conversion*

Download other Important 2D Geometry PDFs

- **Important Annulus Formulas** ↗
- **Important Antiparallelogram Formulas** ↗
- **Important Arrow Hexagon Formulas** ↗
- **Important Astroid Formulas** ↗
- **Important Bulge Formulas** ↗
- **Important Cardioid Formulas** ↗
- **Important Circular Arc Quadrangle Formulas** ↗
- **Important Concave Pentagon Formulas** ↗
- **Important Concave Regular Hexagon Formulas** ↗
- **Important Concave Regular Pentagon Formulas** ↗
- **Important Crossed Rectangle Formulas** ↗
- **Important Cut Rectangle Formulas** ↗
- **Important Cyclic Quadrilateral Formulas** ↗
- **Important Cycloid Formulas** ↗
- **Important Decagon Formulas** ↗
- **Important Dodecagon Formulas** ↗
- **Important Double Cycloid Formulas** ↗
- **Important Fourstar Formulas** ↗
- **Important Frame Formulas** ↗
- **Important Grid Formulas** ↗
- **Important H Shape Formulas** ↗
- **Important Half Yin-Yang Formulas** ↗
- **Important Heart Shape Formulas** ↗
- **Important Hendecagon Formulas** ↗
- **Important Heptagon Formulas** ↗
- **Important Hexadecagon Formulas** ↗

- **Important Hexagon Formulas** ↗
- **Important Hexagram Formulas** ↗
- **Important House Shape Formulas** ↗
- **Important Hyperbola Formulas** ↗
- **Important Hypocycloid Formulas** ↗
- **Important Isosceles Trapezoid Formulas** ↗
- **Important L Shape Formulas** ↗
- **Important Line Formulas** ↗
- **Important N-gon Formulas** ↗
- **Important Nonagon Formulas** ↗
- **Important Octagon Formulas** ↗
- **Important Octagram Formulas** ↗
- **Important Open Frame Formulas** ↗
- **Important Parallelogram Formulas** ↗
- **Important Pentagon Formulas** ↗
- **Important Pentagram Formulas** ↗
- **Important Polygram Formulas** ↗
- **Important Quadrilateral Formulas** ↗
- **Important Quarter Circle Formulas** ↗
- **Important Rectangle Formulas** ↗
- **Important Rectangular Hexagon Formulas** ↗
- **Important Regular Polygon Formulas** ↗
- **Important Reuleaux Triangle Formulas** ↗
- **Important Rhombus Formulas** ↗
- **Important Right Trapezoid Formulas** ↗
- **Important Round Corner Formulas** ↗
- **Important Salinon Formulas** ↗
- **Important Semicircle Formulas** ↗
- **Important Sharp Kink Formulas** ↗

- **Important Square Formulas** ↗
- **Important Star of Lakshmi Formulas** ↗
- **Important T Shape Formulas** ↗
- **Important Tangential Quadrilateral Formulas** ↗
- **Important Trapezoid Formulas** ↗
- **Important Tri-equilateral Trapezoid Formulas** ↗
- **Important Truncated Square Formulas** ↗
- **Important Unicursal Hexagram Formulas** ↗
- **Important X Shape Formulas** ↗

Try our Unique Visual Calculators

- 🌀 **Reverse percentage** ↗
- 🔢 **HCF calculator** ↗
- ¾ **Simple fraction** ↗

Please SHARE this PDF with someone who needs it!

This PDF can be downloaded in these languages

English Spanish French German Russian Italian Portuguese Polish Dutch

7/8/2024 | 11:47:37 AM UTC