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Salinon Formulas

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List of 14 Salinon Formulas

Salinon ⤢

Area of Salinon ⤢

1) Area of Salinon ⤢

fx $A = \dfrac{1}{4} \cdot \pi \cdot \left(r_{\text{Large Semicircle}} + r_{\text{Small Semicircle}}\right)^2$

ex $153.938\text{m}^2 = \dfrac{1}{4} \cdot \pi \cdot (10\text{m} + 4\text{m})^2$

2) Area of Salinon given Inradius ⤢

fx $A = \pi \cdot r_i^2$

ex $153.938\text{m}^2 = \pi \cdot (7\text{m})^2$

3) Area of Salinon given Radius of Lateral and Large Semicircle ⤢

fx $A = \pi \cdot \left(r_{\text{Large Semicircle}} - r_{\text{Lateral Semicircles}}\right)^2$

ex $153.938\text{m}^2 = \pi \cdot (10\text{m} - 3\text{m})^2$

4) Area of Salinon given Radius of Lateral and Small Semicircle 🔗

fx $A = \pi \cdot (r_{\text{Small Semicircle}} + r_{\text{Lateral Semicircles}})^2$

Open Calculator 🔗

ex $153.938\text{m}^2 = \pi \cdot (4\text{m} + 3\text{m})^2$

Perimeter of Salinon 🔗

5) Perimeter of Salinon 🔗

fx $P = 2 \cdot \pi \cdot r_{\text{Large Semicircle}}$

Open Calculator 🔗

ex $62.83185\text{m} = 2 \cdot \pi \cdot 10\text{m}$

6) Perimeter of Salinon given Inradius and Radius of Lateral Semicircle 🔗

fx $P = 2 \cdot \pi \cdot (r_i + r_{\text{Lateral Semicircles}})$

Open Calculator 🔗

ex $62.83185\text{m} = 2 \cdot \pi \cdot (7\text{m} + 3\text{m})$

7) Perimeter of Salinon given Inradius and Radius of Small Semicircle 🔗

fx $P = 2 \cdot \pi \cdot ((2 \cdot r_i) - r_{\text{Small Semicircle}})$

Open Calculator 🔗

ex $62.83185\text{m} = 2 \cdot \pi \cdot ((2 \cdot 7\text{m}) - 4\text{m})$

8) Perimeter of Salinon given Radius of Small and Lateral Semicircle 🔗

fx

Open Calculator 🔗

$P = 2 \cdot \pi \cdot (r_{\text{Small Semicircle}} + (2 \cdot r_{\text{Lateral Semicircles}}))$

ex $62.83185\text{m} = 2 \cdot \pi \cdot (4\text{m} + (2 \cdot 3\text{m}))$

Radius of Salinon ⬈

9) Inradius of Salinon ⬈

fx $r_i = \dfrac{r_{\text{Large Semicircle}} + r_{\text{Small Semicircle}}}{2}$

Open Calculator ⬈

ex $7m = \dfrac{10m + 4m}{2}$

10) Inradius of Salinon given Radius of Large and Lateral Semicircle ⬈

fx $r_i = r_{\text{Large Semicircle}} - r_{\text{Lateral Semicircles}}$

Open Calculator ⬈

ex $7m = 10m - 3m$

11) Radius of Large Semicircle of Salinon ⬈

fx $r_{\text{Large Semicircle}} = r_i + r_{\text{Lateral Semicircles}}$

Open Calculator ⬈

ex $10m = 7m + 3m$

12) Radius of Lateral Semicircles of Salinon ⬈

fx

Open Calculator ⬈

$r_{\text{Lateral Semicircles}} = \dfrac{r_{\text{Large Semicircle}} - r_{\text{Small Semicircle}}}{2}$

ex $3m = \dfrac{10m - 4m}{2}$

13) Radius of Lateral Semicircles of Salinon given Inradius and Radius of Large Semicircle ⌲

fx $r_{\text{Lateral Semicircles}} = r_{\text{Large Semicircle}} - r_i$

ex $3m = 10m - 7m$

14) Radius of Small Semicircle of Salinon ⌲

fx $r_{\text{Small Semicircle}} = r_i - r_{\text{Lateral Semicircles}}$

ex $4m = 7m - 3m$

Variables Used

- **A** Area of Salinon *(Square Meter)*
- **P** Perimeter of Salinon *(Meter)*
- **r$_i$** Inradius of Salinon *(Meter)*
- **r$_{Large\ Semicircle}$** Radius of Large Semicircle of Salinon *(Meter)*
- **r$_{Lateral\ Semicircles}$** Radius of Lateral Semicircles of Salinon *(Meter)*
- **r$_{Small\ Semicircle}$** Radius of Small Semicircle of Salinon *(Meter)*

Constants, Functions, Measurements used

- Constant: **pi**, 3.14159265358979323846264338327950288
  Archimedes' constant
- Measurement: **Length** in Meter (m)
  Length Unit Conversion 🔗
- Measurement: **Area** in Square Meter (m²)
  Area Unit Conversion 🔗

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