

おうぎ形の面積

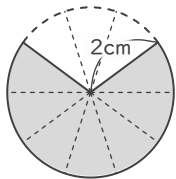
年 組 名前

/ 8

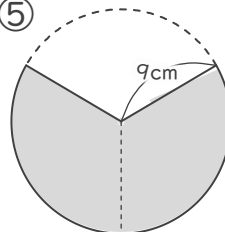
■ おうぎ形の面積を求めましょう。

ただし、点線は円を等分しており、書かれた長さは円の半径を表しています。

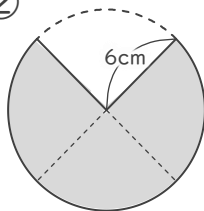
①



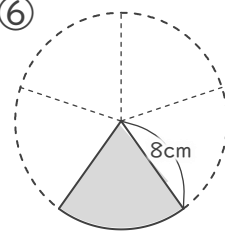
⑤



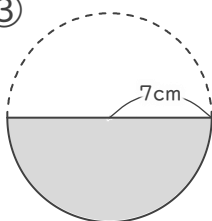
②



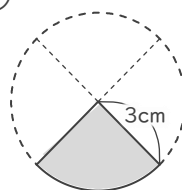
⑥



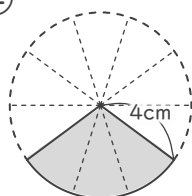
③



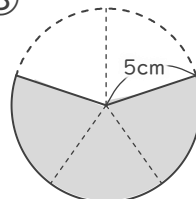
⑦



④



⑧



おうぎ形の面積

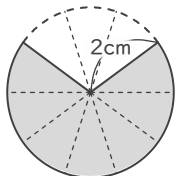
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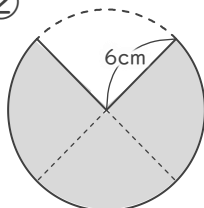
①



$$\begin{aligned} 2 \times 2 \times 3.14 &= 12.56 \\ 12.56 \times \frac{7}{10} &= 8.792 \end{aligned}$$

$$8.792 \text{ cm}^2$$

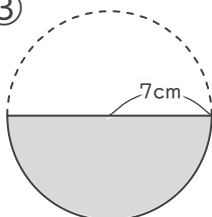
②



$$\begin{aligned} 6 \times 6 \times 3.14 &= 113.04 \\ 113.04 \times \frac{3}{4} &= 84.78 \end{aligned}$$

$$84.78 \text{ cm}^2$$

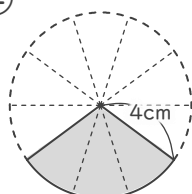
③



$$\begin{aligned} 7 \times 7 \times 3.14 &= 153.86 \\ 153.86 \times \frac{1}{2} &= 76.93 \end{aligned}$$

$$76.93 \text{ cm}^2$$

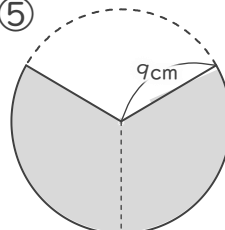
④



$$\begin{aligned} 4 \times 4 \times 3.14 &= 50.24 \\ 50.24 \times \frac{3}{10} &= 15.072 \end{aligned}$$

$$15.072 \text{ cm}^2$$

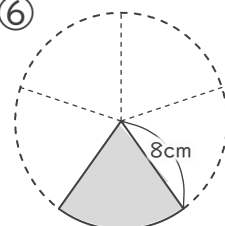
⑤



$$\begin{aligned} 9 \times 9 \times 3.14 &= 254.34 \\ 254.34 \times \frac{2}{3} &= 169.56 \end{aligned}$$

$$169.56 \text{ cm}^2$$

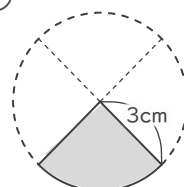
⑥



$$\begin{aligned} 8 \times 8 \times 3.14 &= 200.96 \\ 200.96 \times \frac{1}{5} &= 40.192 \end{aligned}$$

$$40.192 \text{ cm}^2$$

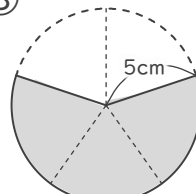
⑦



$$\begin{aligned} 3 \times 3 \times 3.14 &= 28.26 \\ 28.26 \times \frac{1}{4} &= 7.065 \end{aligned}$$

$$7.065 \text{ cm}^2$$

⑧



$$\begin{aligned} 5 \times 5 \times 3.14 &= 78.5 \\ 78.5 \times \frac{3}{5} &= 47.1 \end{aligned}$$

$$47.1 \text{ cm}^2$$