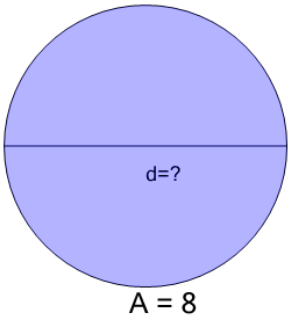
Math worksheet on *'Area of a Circle - Area and Image to Diameter (Pi Value) (Level 1)'*. Part of a broader unit on *'Geometry - Circle Partial Area and Circumference - Intro'*

Learn online:

app.mobius.academy/math/units/geometry_circles_partial_perimeter_area_intro/

1 If the area of this circle is 8, what it its diameter?



A = 8

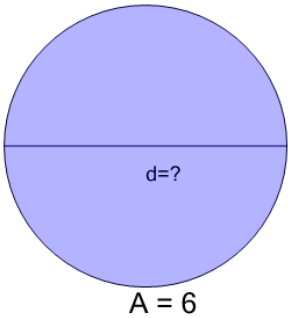
a $d = 8 \cdot \sqrt{\frac{2}{\pi}}$

b $d = \sqrt{\frac{2 \cdot \pi}{8}}$

c $d = 2 \cdot \sqrt{\frac{8}{2 \cdot \pi}}$

d $d = 2 \cdot \sqrt{\frac{8}{\pi}}$

2 If the area of this circle is 6, what it its diameter?



A = 6

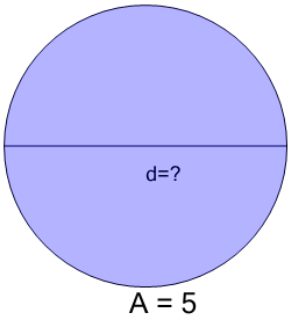
a $d = 2 \cdot \sqrt{\frac{6}{\pi}}$

b $d = 2 \cdot \sqrt{\frac{6}{2 \cdot \pi}}$

c $d = 6 \cdot \sqrt{\frac{2}{\pi}}$

d $d = \sqrt{\frac{2 \cdot \pi}{6}}$

3 If the area of this circle is 5, what it its diameter?



A = 5

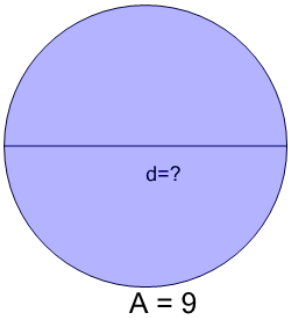
a $d = \sqrt{\frac{2 \cdot \pi}{5}}$

b $d = 5 \cdot \sqrt{\frac{2}{\pi}}$

c $d = 2 \cdot \sqrt{\frac{5}{2 \cdot \pi}}$

d $d = 2 \cdot \sqrt{\frac{5}{\pi}}$

4 If the area of this circle is 9, what it its diameter?



A = 9

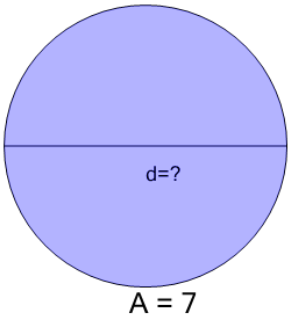
a $d = 9 \cdot \sqrt{\frac{2}{\pi}}$

b $d = 2 \cdot \sqrt{\frac{9}{\pi}}$

c $d = 2 \cdot \sqrt{\frac{9}{2 \cdot \pi}}$

d $d = \sqrt{\frac{2 \cdot \pi}{9}}$

5 If the area of this circle is 7, what it its diameter?



A = 7

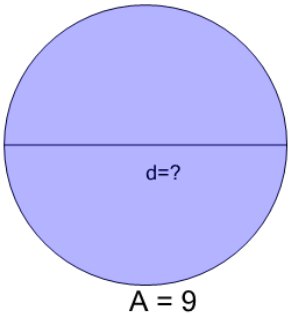
a $d = 2 \cdot \sqrt{\frac{7}{2 \cdot \pi}}$

b $d = 7 \cdot \sqrt{\frac{2}{\pi}}$

c $d = 2 \cdot \sqrt{\frac{7}{\pi}}$

d $d = \sqrt{\frac{2 \cdot \pi}{7}}$

6 If the area of this circle is 9, what it its diameter?



A = 9

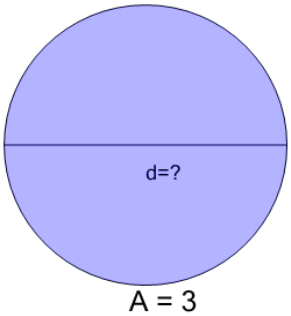
a $d = 2 \cdot \sqrt{\frac{9}{2 \cdot \pi}}$

b $d = 2 \cdot \sqrt{\frac{9}{\pi}}$

c $d = 9 \cdot \sqrt{\frac{2}{\pi}}$

d $d = \sqrt{\frac{2 \cdot \pi}{9}}$

7 If the area of this circle is 3, what it its diameter?



A = 3

a $d = 3 \cdot \sqrt{\frac{2}{\pi}}$

b $d = 2 \cdot \sqrt{\frac{3}{2 \cdot \pi}}$

c $d = 2 \cdot \sqrt{\frac{3}{\pi}}$

d $d = \sqrt{\frac{2 \cdot \pi}{3}}$

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