



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

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<p>2 If the area of this circle is 2, what it its diameter?</p> $A = \pi \cdot \left(\frac{d}{2}\right)^2$ $2 = \pi \cdot \left(\frac{d}{2}\right)^2$	a	$d = 2 \cdot \sqrt{\frac{2}{\pi}}$	b	$d = \sqrt{\frac{2 \cdot \pi}{2}}$
	c	$d = 2 \cdot \sqrt{\frac{2}{2 \cdot \pi}}$		

<p>3 If the area of this circle is 10, what it its diameter?</p> $A = \pi \cdot \left(\frac{d}{2}\right)^2$ $10 = \pi \cdot \left(\frac{d}{2}\right)^2$	a	$d = 10 \cdot \sqrt{\frac{2}{\pi}}$	b	$d = 2 \cdot \sqrt{\frac{10}{2 \cdot \pi}}$
	c	$d = 2 \cdot \sqrt{\frac{10}{\pi}}$	d	$d = \sqrt{\frac{2 \cdot \pi}{10}}$

<p>4 If the area of this circle is 7, what it its diameter?</p> $A = \pi \cdot \left(\frac{d}{2}\right)^2$ $7 = \pi \cdot \left(\frac{d}{2}\right)^2$	a	$d = 2 \cdot \sqrt{\frac{7}{\pi}}$	b	$d = 7 \cdot \sqrt{\frac{2}{\pi}}$
	c	$d = 2 \cdot \sqrt{\frac{7}{2 \cdot \pi}}$	d	$d = \sqrt{\frac{2 \cdot \pi}{7}}$

<p>5 If the area of this circle is 8, what it its diameter?</p> $A = \pi \cdot \left(\frac{d}{2}\right)^2$ $8 = \pi \cdot \left(\frac{d}{2}\right)^2$	a	$d = 2 \cdot \sqrt{\frac{8}{2 \cdot \pi}}$	b	$d = \sqrt{\frac{2 \cdot \pi}{8}}$
	c	$d = 8 \cdot \sqrt{\frac{2}{\pi}}$	d	$d = 2 \cdot \sqrt{\frac{8}{\pi}}$

<p>6 If the area of this circle is 9, what it its diameter?</p> $A = \pi \cdot \left(\frac{d}{2}\right)^2$ $9 = \pi \cdot \left(\frac{d}{2}\right)^2$	a	$d = \sqrt{\frac{2 \cdot \pi}{9}}$	b	$d = 2 \cdot \sqrt{\frac{9}{\pi}}$
	c	$d = 9 \cdot \sqrt{\frac{2}{\pi}}$	d	$d = 2 \cdot \sqrt{\frac{9}{2 \cdot \pi}}$

<p>7 If the area of this circle is 4, what it its diameter?</p> $A = \pi \cdot \left(\frac{d}{2}\right)^2$ $4 = \pi \cdot \left(\frac{d}{2}\right)^2$	a	$d = 4 \cdot \sqrt{\frac{2}{\pi}}$	b	$d = 2 \cdot \sqrt{\frac{4}{2 \cdot \pi}}$
	c	$d = \sqrt{\frac{2 \cdot \pi}{4}}$	d	$d = 2 \cdot \sqrt{\frac{4}{\pi}}$