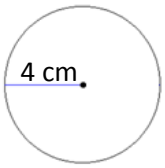
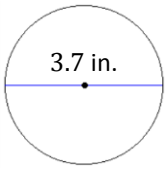
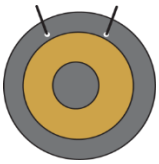
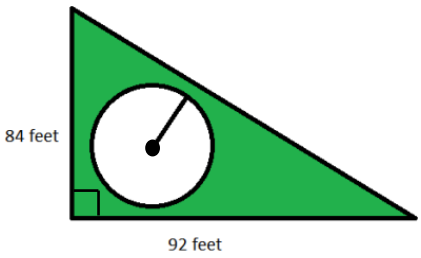
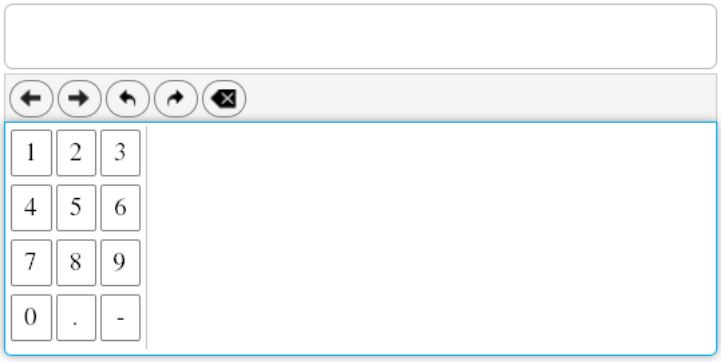
Content Standard	***MAFS.7.G*** *Geometry* ***MAFS.7.G.2*** *Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.* ***MAFS.7.G.2.4*** Know the formulas for the area and circumference of a circle and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a circle.
Assessment Limit	Circles are limited to whole circles and semicircles.
Calculator	Yes
Item Type	Equation Editor Multiple Choice Multiselect
Context	Allowable

Sample Item	Item Type
A circle with its dimensions, in centimeters (cm), is shown.  What is the area of the circle in square centimeters?	Equation Editor
A circle with its dimensions, in inches (in.), is shown.  What is the area of half of the circle in square inches?	Equation Editor
A picture of a gong is shown.  It is composed of 3 different-sized circles. • The circumference of the smallest circle is 15.7 inches. • The diameter of the whole gong is 21 inches. What is the area of the middle circle? (Use $\pi = 3.14$)	Equation Editor

Sample Item	Item Type
Mark placed a pool in his backyard, which is enclosed by a triangular fence.  The radius of the pool is 20.5 feet. How much of the backyard area is not covered by the pool?	Equation Editor
The circumference of a circle is 53.38 centimeters. What is the area in square centimeters? Use 3.14 for π.  	Equation Editor