

## Smarter Balanced Assessment Item Illustrating 7.G.B.4

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The circumference of a circle is approximately 37.7 centimeters.

Enter the radius of the circle, in centimeters. Round your answer to the nearest tenth.

### Answer Key

6.0

### Elaboration on Alignment

Students' work with area begins in grade 3 where they develop an understanding of area as a two-dimensional measurement. By grade 6, students extend that earlier work and find areas of triangles, special quadrilaterals and other polygons. This item shows the expectation for grade 7 where students are expected to know the formula for the circumference of a circle and use it to solve problems. Some assessment programs provide the circumference formula for items like the one shown, and others use a more literal interpretation of the phrase "know the formulas" found in standard 7.G.B.4 and do not provide those formulas for students. Item specifications or other documentation for specific programs can be helpful in determining the approach a particular assessment takes on this standard.

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