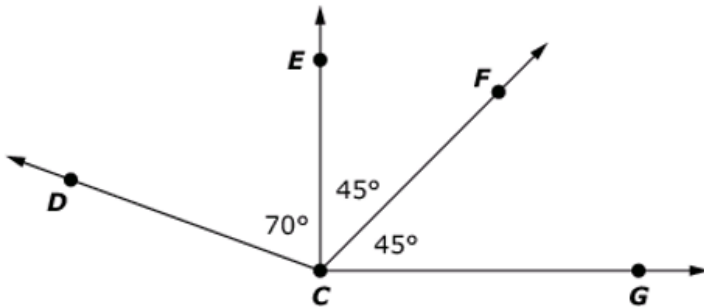


Smarter Balanced Assessment Item Illustrating 4.MD.C.7

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Use the diagram to solve the problem.

- The measure of $\angle DCE = 70^\circ$
- The measure of $\angle ECF = 45^\circ$
- The measure of $\angle FCG = 45^\circ$



Enter the measure, in degrees, of $\angle DCF$.

Answer Key

115

Elaboration on Alignment

This item illustrates standard 4.MD.C.7, which might be seen as the ceiling of expectations for grade 4 work on angle measure. Students need to understand the concept of an angle (from 4.MD.C.5) and of angle measure (from 4.MD.C.6) and then extend that understanding to recognize angle measure as additive. It is worth noting that this item also has an expectation that students understand formal naming conventions for angles. While not explicitly stated in the standard(s), these

conventions are important to understanding and discussing the concepts addressed in 4.MD.C.7.

Learn More

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