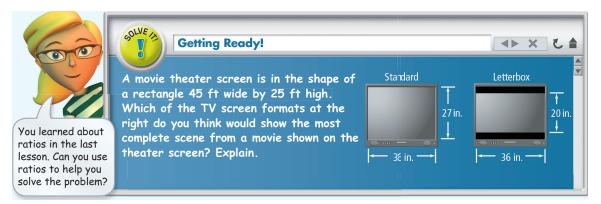
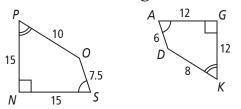
7-2 Solve It!



7-2 Lesson Quiz

- **1.** $\triangle HJK \sim \triangle CND.$
 - a. What are the pairs of congruent angles?
 - **b.** What is the extended proportion for the ratios of corresponding sides?
- **2.** Are the polygons similar? If they are, write a similarity statement and give the scale factor.



3. Do you UNDERSTAND? Harold has a photograph that is 8 in. \times 10 in. that he wants to print at a reduced size to fit into a frame that is 6 in. tall. What will be the dimensions of the new photograph?

Answers

Solve It! The letterbox screen has the same ratio of width to height as the movie screen, 9 : 5 in both cases. Lesson Quiz 1. a. $\angle H \cong \angle C$, $\angle J \cong \angle N$, $\angle K \cong \angle D$; b. $\frac{HJ}{CN} = \frac{JK}{ND} = \frac{HK}{CD}$ yes; *POSN* ~ *KDAG*, scale factor: 5 : 4
4.8 in. × 6 in.

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