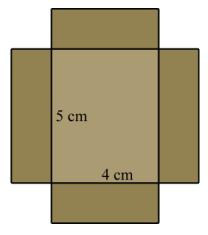
Grade 7

EXTRA CHALLENGES - SET III

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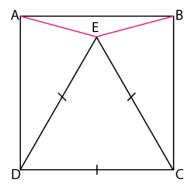
1. Carmelo Anthony, a basketball player for the Nuggets was shooting 42% after his first 50 shots. If he doesn't miss another shot, how many baskets must he make so that he has a 50% shooting percentage?



- 2. A rectangular sheet of cardboard has 4 small equal squares removed from its corners. It is then folded to make a 5 cm by 4 cm box with volume 60 cm³. What was the original area of the cardboard?
- 2. If a, b, c, d, and e are positive integers such that a+b+c+d+e=20 and a+b+c=14 and c+d+e=16, what is the value of c?
- 3. What is the measure of the obtuse angle formed by the hour and minute hands of a clock at 10:10?



4. Inside square *ABCD* is equilateral triangle *ECD*. Determine the measure of angle *AEB*.



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