

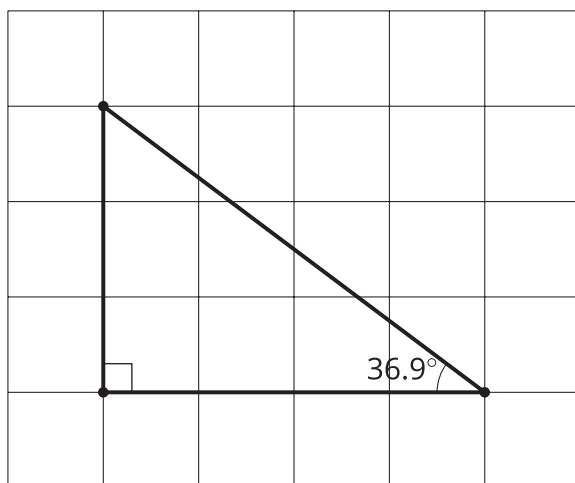
Unit 3 Lesson 15: Finding All the Unknown Values in Triangles

1 Which One Doesn't Belong: Triangles (Warm up)

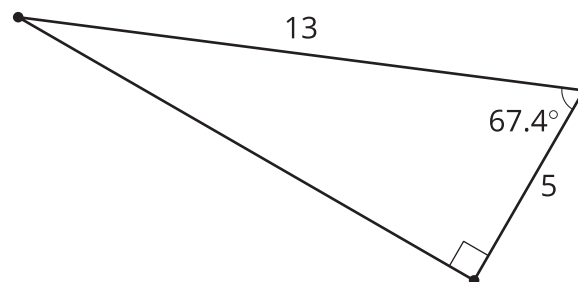
Student Task Statement

Which one doesn't belong?

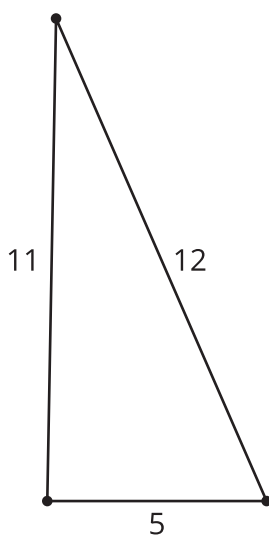
A



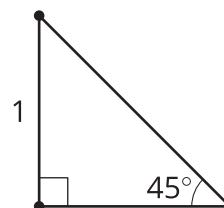
B



C



D



2 Info Gap: Similar Sequence

Student Task Statement

Your teacher will give you either a problem card or a data card. Do not show or read your card to your partner.

If your teacher gives you the data card:

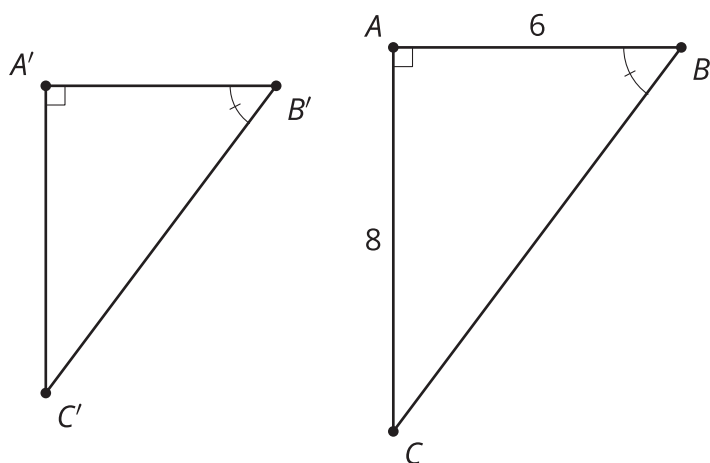
1. Silently read the information on your card.
2. Ask your partner "What specific information do you need?" and wait for your partner to ask for information. Only give information that is on your card. (Do not figure out anything for your partner!)
3. Before telling your partner the information, ask "Why do you need to know (that piece of information)?"
4. Read the problem card, and solve the problem independently.
5. Share the data card, and discuss your reasoning.

If your teacher gives you the problem card:

1. Silently read your card and think about what information you need to answer the question.
2. Ask your partner for the specific information that you need.
3. Explain to your partner how you are using the information to solve the problem.
4. When you have enough information, share the problem card with your partner, and solve the problem independently.
5. Read the data card, and discuss your reasoning.

3 Relatively Reasonable

Student Task Statement



Triangle ABC is similar to triangle $A'B'C'$. Give reasonable measurements for all 3 sides of triangle $A'B'C'$. Explain your reasoning.

Images for Activity Synthesis

