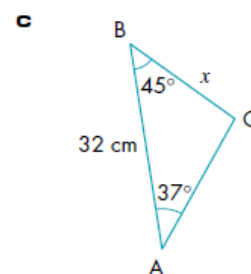
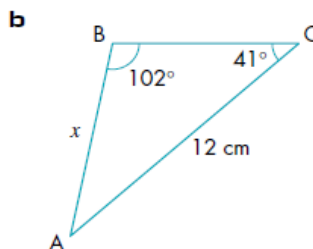
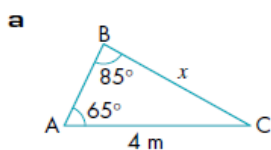


ACTION

RESPONSE

Find the length x in each of these triangles.



Fluency



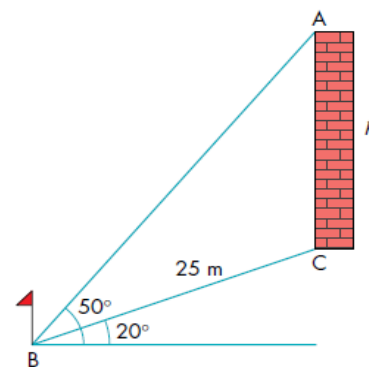
Reasoning



To find the height of a tower standing on a small hill, Mary made some measurements (see diagram).

From a point B, the angle of elevation of C is 20° , the angle of elevation of A is 50° , and the distance BC is 25 m.

- Calculate these angles.
 - ABC
 - BAC
- Using the sine rule and triangle ABC, calculate the height h of the tower.



Problem Solving



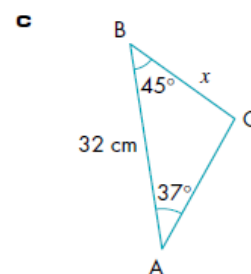
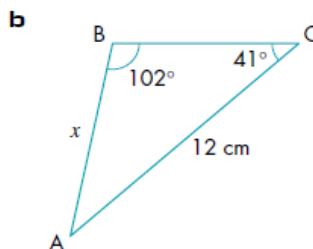
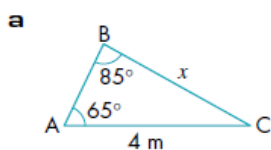
Two ships leave a port in directions that are 41° from each other. After half an hour, the ships are 11km apart. If the speed of the slower is 7 km/h, what is the speed of the faster ship?



ACTION

RESPONSE

Find the length x in each of these triangles.



Fluency



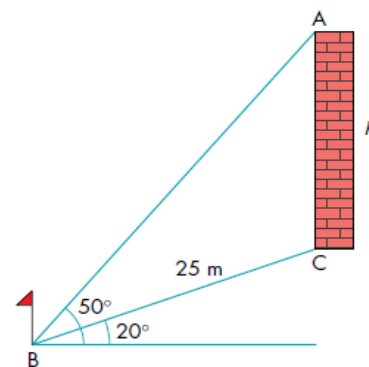
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Problem Solving



Two ships leave a port in directions that are 41° from each other. After half an hour, the ships are 11km apart. If the speed of the slower is 7 km/h, what is the speed of the faster ship?

