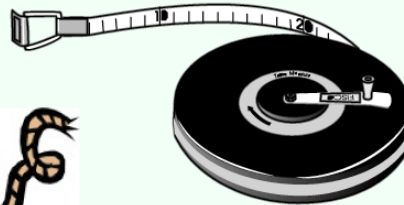
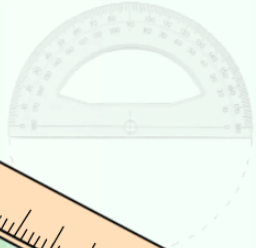


Challenge

Your challenge today is to use trigonometry to estimate the height of the flag pole across the street at the Elementary School and our school gymnasium. You can NOT climb up top to measure either of these. You must use trigonometry. You can use the following things:

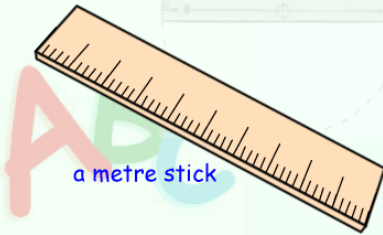
a protractor



a tape measure



a piece of string



a metre stick

Interactive Journal

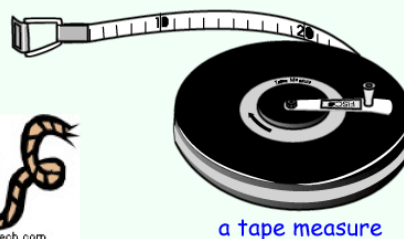
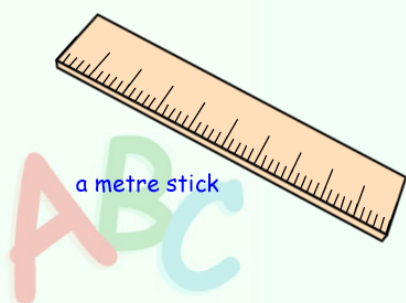
Now that you have completed the challenge, I would like you to respond in your journal to the following questions:

- What strategy did your group employ to find the two heights?
- Why did you decide to use this strategy?
- Was the strategy effective? Is there anything that would have improved it?
- Describe in your own words what you learned about trigonometry during this activity.



Challenge #2

Your challenge today is to use trigonometry to estimate the height of the flag pole across the street at the Elementary School and our school gymnasium, but this time I am taking away your protractor. You can NOT climb up top to measure either of these. You must use trigonometry. You can use the following things:



Interactive Journal

Now that you have completed the second challenge, I would like you to respond in your journal to the following questions:

- What strategy did your group employ to find the two heights?
- Why did you decide to use this strategy?
- Was the strategy effective? Is there anything that would have improved it?
- Describe in your own words what changed when I took away the protractor. How did this change the problem?

