



Geometry & Measurement Student Activity

Length

Complete the questions below.

1. If you have to replace the fence on the pigpen what measurements do you need before ordering the fencing materials?
2. If the pigpen is rectangular in shape with a length of 10 m and a width of 7.5 m, what is the perimeter?
3. If the pigpen is triangular in shape with three equal measurements of 12 m, what is the perimeter?
4. The distance between point A and point B is 456 km. What is the distance between point A and Point B in metres?
5. If you wanted to measure the width of your hand, what unit of measurement would you use?
6. If you wanted to measure the distance between Regina and Humbolt, what unit of measurement would you use?
7. If you wanted to measure the length of your foot, what unit of measurement would you use?
8. If you wanted to measure the width of a piece of string, what unit of measurement would you use?
9. Using a formula, calculate the perimeter of an irregular polygon (with 6 sides) given the following measurements (2, 4, 3, 6, 4, 6). Explain your answer.

10. What is the value of "pi"?

11. What is the relationship between the radius, diameter and circumference of a circle? Please put your answer into complete sentences.

12. Using the relationship you have stated above, please calculate the diameter of a circle given a radius of 4 cm.

13. Using the relationship you have stated above, please calculate the circumference of the circle given a radius of 4 cm.

