

#### Calculate the Speed of a Tsunami

- Multiply 9.81 meters per seconds square by the seafloor depth
- Find the square root of the product
- Answer is speed in meters per second
- Multiply both number of meters and seconds by 60
- Answer is meters per minute
- Multiply both number of meters and minutes by 60
- Answer is meters per hour
- Divide meters by 1000 or move decimal point 3 spots to the left
- Answer is kilometers per hour

#### Calculate the Time the Tsunami reached a point

- Left fraction is number of kilometers over 60 minutes. Right fraction is distance in km to point over x.
- Multiply number of km by x and 60 by distance to point
- Products are number of kilometers x equals product of 60 and distance to point
- Divide product by number of kilometers