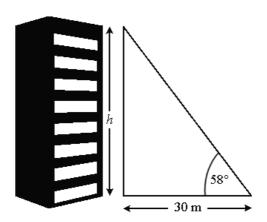
Using trigonometry to calculate length



[Not drawn to scale]

Jake measured the height of a building. He stood 30 m away and measured the angle to the top of the building as 58° .

Which method did Jake use to work out the height of the building (h)?

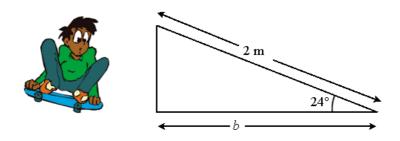
a)(**A**) 30 cos 58º

(**B**) 30 sin 58º

(**C**) 30 tan 58º

(**D**) 30 cosec 58º

(E) None of these. The correct method is _____



[Not drawn to scale]

Whetu is building a skateboard ramp. He wants it to be at an angle of 24° and 2 m long. Which method would Whetu use to work out the length of the base (b)?

b)(**A**) 2 cos 24º

(**B**) 2 sin 24º

(**C**) 2 tan 24º

(**D**) 2 cosec 24^o

(E) None of these. The correct method is _____

Published on https://newzealandcurriculum.tahurangi.education.govt.nz