

Decimals – Rounding Challenges

Mo says 0.4 rounded to the nearest whole number is zero.

Whitney says 0.4 rounded to the nearest whole number is one.

Who is correct? Why?

A number with one decimal place rounded to the nearest whole number is 45

What could the number be?

Mo says 0.4 rounded to the nearest whole number is zero.

Whitney says 0.4 rounded to the nearest whole number is one.

Who is correct? Why?

Mo is correct. 0.4 lies between 0 and 1, as there are only four tenths, the number rounds to zero.

A number with one decimal place rounded to the nearest whole number is 45

What could the number be?

The number could be:  
44.5, 44.6, 44.7,  
44.8, 44.9, 45.1,  
45.2, 45.3 or 45.4