

Every seventh child is a wizard, every ninth wizard is a child. Who is more, children or wizards?



X *children*



y *wizards*

Ans: wizards!

1-6 children (6) ---- 1-8 wizards (8 wizards)

7 child = wizard (9th child is a wizard)

8-13 children (6) ----- +8 wizards

14th child = wizard (18th child = wizard)

At 14th child = 14 children and 18 wizards and it is continuously increasing in same patterns, so there are always more wizards than children

$$x/7 = y/9$$

$$x/y = 7/9 \Rightarrow y > x$$

if $x=700$:

wizards among children 100

$x/7$ wizards among children

if $y=900$:

children among wizards 100

$y/9$ children among wizards

