

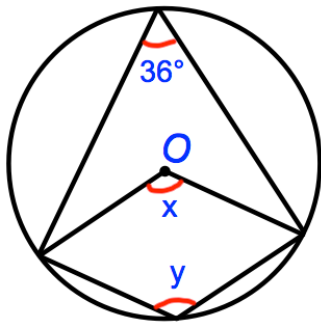


A group of workers are painting the classrooms in a school. 10 workers could paint all the classrooms in 12 days. For the first five days, only two workers paint the classrooms. For the next six days, only five workers paint the classrooms. For the rest of the days, all 10 workers paint the classrooms.

Work out the total number of days taken to paint the classrooms.

Work out

$$25^{\frac{1}{2}} + 64^{\frac{2}{3}}$$



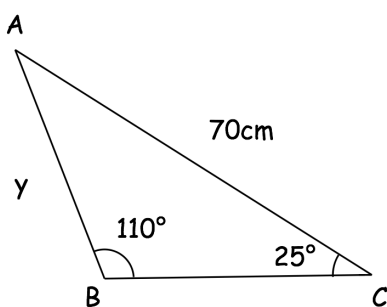
Find x and y

Orla put £400 in a savings account for 5 years.

She was paid 2% compound interest per annum for the first 4 years.

She was paid x% compound interest for the final year.

Altogether Orla earned £75 in interest. Find x to 1 decimal place.



Find y.