



Solve, giving your answers to one decimal place.

$$8x^2 - 8x - 9 = 0$$

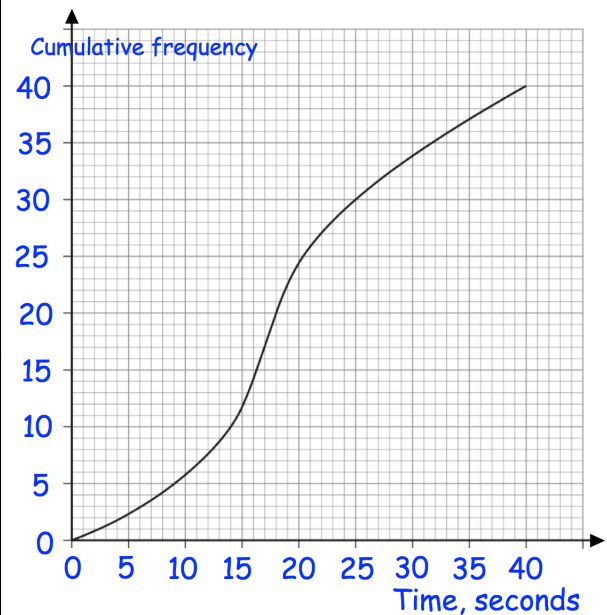
Lorcan invested £4000 in a savings for one year.
He receives interest at the end of the year.

Lorcan gives 30% of the interest to his sister, Beth.
Lorcan gives Beth £7.20.

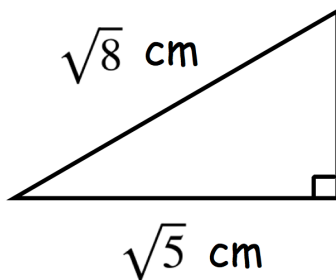
Work out the percentage interest rate for the savings account.

The graph shows information about the time taken by 40 children to answer a question.

Find an estimate for the interquartile range.



Show that less than 20% of the children took longer than 30 seconds.



Calculate the length of the missing side.
Leave your answer as a surd.