



Solve the inequality $3x - 8 > 16$

Height, h, cm	Frequency
$80 \leq h < 90$	12
$90 \leq h < 100$	30
$100 \leq h < 110$	45
$110 \leq h < 120$	8
$120 \leq h < 130$	5

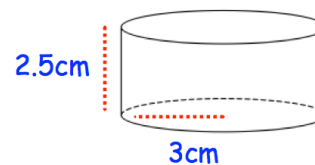
Write down the modal interval.

Work out an estimate of the mean height.

In a class, there are 20 girls and 10 boys.
The class sit a test.
The mean result of the class is 56%
The mean result of the 10 boys is 50%

Work out the girls' mean result.

Calculate the volume of the cylinder.
Give your answer in terms of π
State the units of your answer.



In England, a 10 mile train journey costs £6.40
In Ireland, a 20km train journey costs €10.85

Use 1 mile = 1.6 kilometres
At the time £1 = €1.40

Which train journey is better value?