Mathematics

Upper and lower bound

Downloadable Resource

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Questions

1) Write down an inequality expressing the lower and upper bound for each of the following:

a) 13cm correct to the nearest centimetre

b) 5g measured to the nearest gram

c) 83 miles given to the nearest mile

d) 90 people given to the nearest 10 people

e) £13 given to the nearest pound

Questions

2) Write down an inequality expressing the lower and upper bound for each of the following:

a) 5.6g rounded to one decimal place

b) 4.8cm measured to the nearest 0.1 centimetre

c) 0.06 seconds rounded to two decimal places

d) 8 miles rounded to 1 significant figure

3) The capacity of a jug, C, has been measured to 4.43 litres to 2 decimal places.

Write an inequality expressing the lower and upper bound within which C, the capacity of the jug, lies.