



Name: _____



1) Write down the error interval for x , where x has been rounded to the nearest integer

a) $x = 4$

c) $x = 36$

b) $x = 16$

d) $x = 84$

2) Write down the error interval for x , where x has been rounded to 1 decimal place.

a) $x = 3.6$

c) $x = 9.3$

b) $x = 4.9$

d) $x = 8.0$

3) Write down the error interval for x , where x has been rounded to 1 significant figure.

a) $x = 50$

c) $x = 0.03$

b) $x = 700$

d) $x = 0.005$

4) Write down the error interval for x , where x has been rounded to 2 significant figures.

a) $x = 58$

c) $x = 0.46$

5) Truncate the following numbers to the nearest integer:

a) 2.746

c) 7.007

e) 7.9993

b) 5.247

d) 0.863

f) 12.4673

6) Truncate the following numbers to one decimal place:

a) 6.2478

b) 92.7745

c) 48.0248

7) Truncate the following numbers to 1 significant figure:

a) 784.2

b) 0.0642

c) 0.0492

8) Truncate the following numbers to 2 significant figures:

a) 392.67

b) 94.763

c) 0.05293

9) Write down the error interval for x , where x has been **truncated** to the nearest integer

a) $x = 4$

c) $x = 84$

b) $x = 8$

d) $x = 36$

Write down the error interval for x , where x has been **truncated** to 1 decimal place.

a) $x = 3.8$

b) $x = 9.1$

Exam question

Two men have their heights measured, but the results have been rounded to 1 decimal place. Their heights are given as 1.7m and 1.8m.

a) Write two error intervals for the height of the two men.

b) Hence determine the maximum difference in the heights of the two men

