

Name: 

maths-school.co.uk

Find the **maximum** percentage error of the following rounded numbers (Give your answer to 2 decimal places):

a) 48cm to the nearest cm

1.04%

b) 5cm to the nearest cm

10%

c) 35cm to the nearest cm

1.43%

d) 80cm to the nearest 10cm

6.25%

e) 600m to the nearest 100m

8.33%

f) 4.2 to 1 decimal place

1.19%

g) 46 to 2 significant figures

1.09%

h) 2.58 to 2 decimal places

0.194%

i) 0.8 to 1 significant figure

6.25%

j) The height of a building is 48m  
to the nearest 2m

2.08%

k) A thermometer is  $16^{\circ}$   
to the nearest  $0.5^{\circ}$ 

1.56%

l) A town's population is 86,000  
to the nearest thousand

5.81%

m) Stadium attendance is 25,400  
to the nearest 100

0.197%

**Exam question**

According to a report, the average home attendance of Burnley Football club in 2021/2022 was 19,000 to the nearest thousand.

What is the maximum percentage error of this reported figure?  
Give your answer to 1 decimal place

2.6%

