

Maths

Round up to three significant figures

Miss Parnham



Round up to three significant figures

1. Round the following numbers to 1, 2 and 3 significant figures.

a) 13.425

b) 1.7895

c) 0.4049

d) 0.00593

e) 4.956

f) 0.9999

g) 0.09999

2. Complete the following calculations using a calculator. Give your answers to 3 significant figures.

a) 345×7680

b) 45.5×0.567

c) $125.75 \div 897$

d) 0.4853^2

e) $9^2 \times (200 \times 32)$



Round up to three significant figures

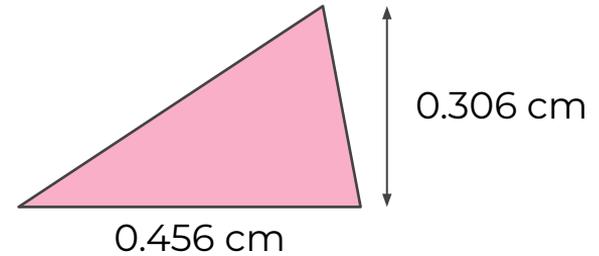
3. The number of people at a football match, rounded to 3 significant figures, is 52400

a) What is the highest number of people that could have been at the match?

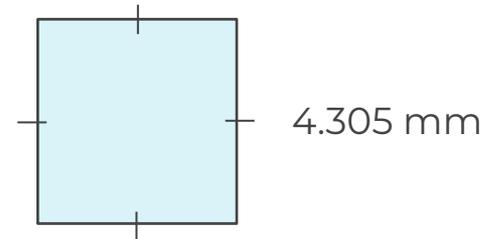
b) What is the fewest number of people that could have been at the match?

4. Calculate the area of the shapes to 3 significant figures.

a)



b)



Answers



Round up to three significant figures

1. Round the following numbers to 1, 2 and 3 significant figures.

a) 13.425 10, 13, 13.4

b) 1.7895 2, 1.8, 1.79

c) 0.4049 0.4, 0.40, 0.405

d) 0.00593 0.006, 0.0059, 0.00593

e) 4.956 5, 5.0, 4.96

f) 0.9999 1, 1.0, 1.00

g) 0.09999 0.1, 0.10, 0.100

2. Complete the following calculations using a calculator. Give your answers to 3 significant figures.

a) 345×7680 2,650,000

b) 45.5×0.567 25.8

c) $125.75 \div 897$ 0.140

d) 0.4853^2 0.236

e) $9^2 \times (200 \times 32)$ 518,000



Round up to three significant figures

3. The number of people at a football match, rounded to 3 significant figures, is 52400

a) What is the highest number of people that could have been at the match? **52449 people**

b) What is the fewest number of people that could have been at the match? **52350 people**

4. Calculate the area of the shapes to 3 significant figures.

