

SCORE
A

Numbers

With Classified
answer book

8

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5- Significant Figures

1. (a) Round 41982 to one significant figure

(b) Round 8812 to two significant figures

(c) Round 0.0761 to one significant figure

2. (a) Round 254 to two significant figures

(b) Round 75701 to two significant figures

(c) Round 0.0001921 to two significant figures

3. (a) Round 0.709 to one significant figure

(b) Round 80472 to three significant figures

(c) Round 12490 to two significant figures

(d) Round 5607012 to three significant figures

4. Oliver and Mia attempt this question.

Round 0.027 648 correct to three significant figures.

Oliver says, 'The answer is 0.028'

Mia says, 'The answer is 0.0276'

Tick (✓) to show who is correct.

Oliver

Mia

Explain why the other answer is not correct.

5. At a concert, there were 7819
In a newspaper article, 7819 was rounded to one significant figure

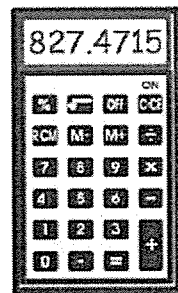
(a) Write 7819 to one significant figure.

At the concert there were 3871 programmes sold.
The caters rounded this number to two significant figures.

(b) Write 3871 to two significant figures.

6. Holly has worked out the answer to a calculation.

Her teacher has told her to write all her answers to four significant figures. Round her answer to four significant figures



7. Use your calculator to work out $5.8^2 + 7.2^3$

(a) Write down the full calculator display

(b) Write your answer to 1 significant figure

8. Calculate $\sqrt{62}$ correct to 2 significant figures.

9. Use your calculator to work out the value of $\frac{2.12 \times 5.2}{9.21 - 2.8}$

Write down your answer to three significant figures.

10. Calculate $\frac{7.2}{9.1 \times 2.8}$

(a) Write down your full calculator display.

(b) Write your answer to 1 significant figure.

11. Calculate $\frac{13.2 + 8.9}{2.3^2}$

(a) Write down your full calculator display.

(b) Write your answer to 2 significant figures.

12. Tick the cards that round to 4,000 to 1 significant figure.

3,099

3,599

3,500

3,500.1

4,099

4,499

4,500

4,501