



Rounding Numbers

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1) June 2010 V1

6 Calculate the value of $\frac{1}{2}\sqrt{\frac{1}{2} + \frac{1}{2}\sqrt{\frac{1}{2}}}$

(a) writing down all the figures in your calculator answer,

Answer(a) [1]

(b) writing your answer correct to 4 significant figures.

Answer(b) [1]

2) November 2010 V1

1 Write each number correct to 1 significant figure and estimate the value of the calculation.
You must show your working.

$$2.65 \times 4.1758 + 7.917$$

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Answer [2]

- 3 Calculate $\sqrt[3]{2.35^2 - 1.09^2}$
Give your answer correct to 4 decimal places.

Answer [2]

4) June 2011 V2

- 6 Use your calculator to find the value of $2^{\sqrt{3}}$.
Give your answer correct to 4 significant figures.

Answer [2]

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- 5 A lake has an area of 63 800 000 000 square metres.

Write this area in square kilometres, correct to 2 significant figures.

Answer km² [2]

6) June 2012 V3

- 3 (a) Calculate $\sqrt[3]{7^{1.5} + 22^{0.9}}$ and write down your full calculator display.

Answer(a) [1]

- (b) Write your answer to **part (a)** correct to 4 significant figures.

Answer(b) [1]

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7) November 2012 V2

1 Write the following numbers correct to one significant figure.

(a) 7682

Answer(a) [1]

(b) 0.07682

Answer(b) [1]

8) November 2012 V2

2 Work out $11.3139 - 2.28 \times \sqrt[3]{9^2}$.

Give your answer correct to one decimal place.

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Answer [2]

- 7 Find the value of $\frac{7.2}{11.8 - 10.95}$.

Give your answer correct to 4 significant figures.

Answer [2]

10) June 2013 V1

- 2 (a) Calculate $\sqrt{5.7} - 1.03^2$

Write down all the numbers displayed on your calculator.

Answer(a) [1]

- (b) Write your answer to **part (a)** correct to 3 decimal places.

Answer(b) [1]

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- 7 (a) Use your calculator to work out $\sqrt{65} - 1.7^2$.

Write down all the numbers displayed on your calculator.

Answer(a) [1]

- (b) Write your answer to **part (a)** correct to 2 significant figures.

Answer(b) [1]

12) November 2013 V1

2 Calculate $\frac{5.27 - 0.93}{4.89 - 4.07}$

Give your answer correct to 4 significant figures.

Answer [2]

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13) June 2014 V1

- 1 Use your calculator to work out $\sqrt{\frac{3}{4}} + 2^{-1}$.

Give your answer correct to 2 decimal places.

Answer [2]

14) June 2014 V1

4

$$p = \frac{4.8 \times 1.98276}{16.83}$$

- (a) In the spaces provided, write each number in this calculation correct to 1 significant figure.

Answer(a)

..... ×
.....

[1]

- (b) Use your answer to **part (a)** to estimate the value of p .

Answer(b) [1]

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- 2 (a) Write 569000 correct to 2 significant figures.

Answer(a) [1]

- (b) Write 569000 in standard form.

Answer(b) [1]

16) November 2014 V1

- 1 Use your calculator to find the value of 1.35^7 .
Give your answer correct to 5 significant figures.

Answer [2]

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6 Write 15.0782 correct to

(a) one decimal place,

Answer(a) [1]

(b) the nearest 10.

Answer(b) [1]

6 By writing each number correct to 1 significant figure, estimate the value of $\frac{\sqrt{3.9} \times 29.3}{8.9 - 2.7}$.

Show all your working.

Answer [2]

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- 1 Write 168.9 correct to 2 significant figures.

Answer [1]

20) June 2016 V1

- 4 Calculate $(2.1 - 0.078)^{17}$, giving your answer correct to 4 significant figures.

[2]

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21) June 2016 V2

- 3 Write 3.5897 correct to 4 significant figures.

..... [1]

22) June 2016 V3

- 2 Write 71496 correct to 2 significant figures.

[1]

23) November 2016 V1

- 2 Write 0.040 190 7 correct to

(a) 3 significant figures,

.....[1]

(b) 3 decimal places.

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.....[1]

- 1 (a) Write 14 835 correct to the nearest thousand.

..... [1]

- (b) Write your answer to **part (a)** in standard form.

..... [1]



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