

You will need a scientific calculator

1. (a) Use your calculator to work out $\sqrt{23^2 + 7.43^2} + 4.2^3$
 Write down all the figures on your calculator display.
 You must write your answer as a decimal.

(b) Write your answer to part(a) correct to 1 significant figure.

2. (a) Use your calculator to work out $\sqrt{130} + 5.6^4$
 Write down all the figures on your calculator display.
 You must write your answer as a decimal.

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

3. (a) Use your calculator to work out $\sqrt{\frac{7.35 + 5.37}{210}}$
 Write down all the figures on your calculator display.
 You must write your answer as a decimal.

(b) Write your answer to part(a) correct to 1 significant figure.

4. (a) Use your calculator to work out $\frac{(35 + 12.7)^3}{6856}$
 Write down all the figures on your calculator display.
 You must write your answer as a decimal.

(b) Write your answer to part(a) correct to 3 significant figures.

5. (a) Use your calculator to work out $\sqrt{12.3^2 - 5.4^2} + 12.3$
 Write down all the figures on your calculator display.
 You must write your answer as a decimal.

(b) Write your answer to part(a) correct to 3 significant figures.

6. (a) Use your calculator to work out $\sqrt{\frac{8}{3}} + 3^5$
 Write down all the figures on your calculator display.
 You must write your answer as a decimal.

(b) Write your answer to part(a) correct to 1 significant figure.

Answers

1 a) 98.258330... 1b) 100 2a) 994.85135... 2b) 990 3a) 0.24611263... 3b) 0.2

4a) 15.830124... 4b) 15.8 5a) 23.351244... 5b) 23.4 6a) 244.63299... 6b) 200