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 $\sqrt{\dfrac{7.35 + 5.37}{210}}$

    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.

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calculator Q1 (a) 98.258330... (b) 100; Q2 (a) 994.85135... (b) 990; Q3 (a) 0.24611263... (b) 0.2

skills (15) Q4 (a) 15.830124... (b) 15.8; Q5 (a) 23.351244... (b) 23.4 ; Q6 (a) 244.63299... (b) 200

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4. (a) Use your calculator to work out $\dfrac{(35 + 12.7)^3}{6856}$

   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 $\sqrt{\dfrac{8}{3}} + 3^5$

   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.

   . . . .