

You will need a scientific calculator

1. Match these calculations

(a) $\sqrt{46} + 1.89^2$

(b) $\sqrt{46 + 1.89^2}$

(c) $\frac{\sqrt{23.5 + 34.6}}{0.25}$

(d) $\frac{\sqrt{23.5} + 34.6}{0.25}$

(e) $\sqrt{\frac{23.5 + 34.6}{0.25}}$

with these answers:-

- (i) 7.040745... (ii) 10.354429... (iii) 15.244671... (iv) 30.489342... (v) 157.790719...

2. Use your calculator to work out $\sqrt{15.8} + 2.3^2$

Write down all the figures on your calculator display.

Give your answer as a decimal.

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3. (a) Use your calculator to work out $\frac{11019 + 1589}{9.1^4 - 3402}$

Write down all the figures on your calculator display.

You must give your answer as a decimal.

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(b) Write your answer to part(a) correct to 1 decimal place.

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4. Use your calculator to work out $\frac{3.2^5}{\sqrt{45}}$

Write down all the figures on your calculator display.

You must give your answer as a decimal.

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5. Use your calculator to work out $\frac{\sqrt{852 - 391}}{5.3 \times 4.2}$

Write down all the figures on your calculator display.

You must give your answer as a decimal.

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Answers

- 1) a with (ii) 10.354429... b with (i) 7.040745... c with (iv) 30.489342...
 d with (v) 157.790719... e with (iii) 15.244671...

- 2) 9.2649213... 3a) 3.6486801... 3b) 3.6 4) 50.0199993... 5) 0.96455123...