

Final Five...

Name:

Answers

1) $\frac{\sqrt{95}}{3.6 + 2.3^2}$

- a) Full calculator display b) 2 d.p. c) 2 s.f

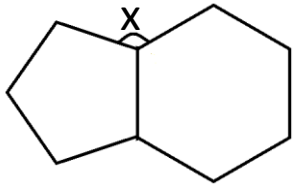
a) 1.096377317
b) 1.10
c) 1.1

2a) A t-shirt costs £15.75 in a 30% off sale. What was the original price of the shirt?

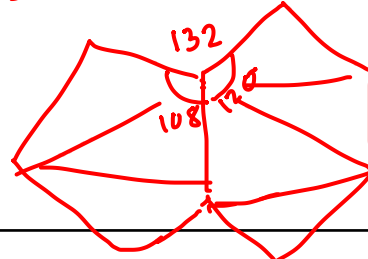
2b) I put £750 in a bank account for 3 years. Each year it gains 5% interest, how much is it worth after these 3 years?

a) $70\% = £15.75$ ($\div 70 = 1\%$, $\times 100 = 100\%$)
 $100\% = \underline{\underline{£22.50}}$
b) $750 \times 1.05^3 = £868.22$

3)



These are both regular polygons. What is the size of angle x?



$3 \times 180 = 540$
 $540 \div 5 = 108$
 $4 \times 180 = 720$
 $720 \div 6 = 120$

$322.5 \div 20 = \underline{\underline{16.125}}$

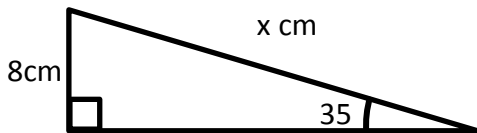
4) Estimate the mean

Height (h) of plants (cm)	Frequency
$5 \leq h < 10$	6
$10 \leq h < 15$	4
$15 \leq h < 20$	3
$20 \leq h < 30$	7

$7.5 \times 6 = 45$
 $12.5 \times 4 = 50$
 $17.5 \times 3 = 52.5$
 $25 \times 7 = 175$

 $20 \quad 322.5$

5) Work out the length of x



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$\frac{8}{5} = h \rightarrow \frac{8}{\sin 35} = x$
 $\underline{\underline{13.95}}$

Write your answers here

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