

Home Learning 7.6 Date Due:.....

1 Use a calculator to evaluate each of these.

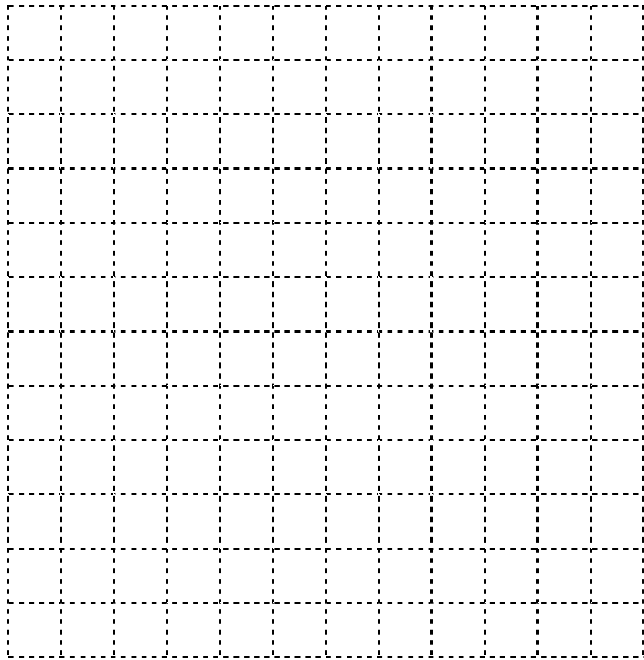
a $[2.4^2 + (6.7 - 1.04)]^2$ b $\frac{63.4 \times 21.02}{2.9(4.5 - 1.72)}$ c $\frac{19}{21} - \frac{7}{18}$

2 Use the power key to evaluate each of these.

a 2.7^5 b 42.875^3

Mark:

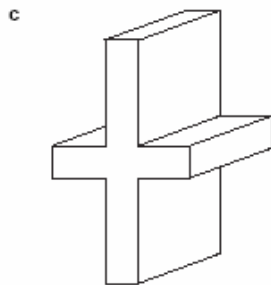
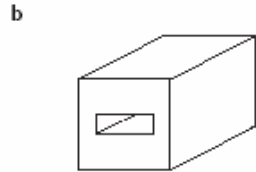
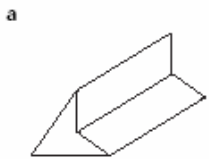
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Home Learning 10.2 Date Due:.....

1 Write down the number of planes of symmetry for each of the following 3-D shapes.



2 How many planes of symmetry does a cylinder have?



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Mark:

Home Learning 8.3 Date Due:.....

1 Estimate the square root of each of the following. Then use a calculator find the result to one decimal place and see how close you were.

- a $\sqrt{46}$ b $\sqrt{31}$ c $\sqrt{74}$ d $\sqrt{129}$ e $\sqrt{215}$

2 Without a calculator, state the cube roots of each of the following numbers.

- a 64 b 343 c 216 d 729 e 512

3 a Estimate the integer closest to the cube root of each of the following.

- i 96 ii 110 iii 55 iv 297 v 3000

b Use a calculator to find the accurate value of the above. Give your answers to one decimal place.

4 State which, in each pair of numbers, is the larger.

- a $\sqrt{20}$, $^3\sqrt{55}$ b $\sqrt{28}$, $^3\sqrt{149}$ c $\sqrt{18}$, $^3\sqrt{79}$

5 Estimate the cube root of each of these numbers without a calculator.

- a 15 b 61 c 400 d 150 e 850

6 Try to estimate the cube root of each of these numbers without using a calculator.

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