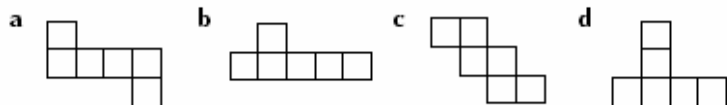
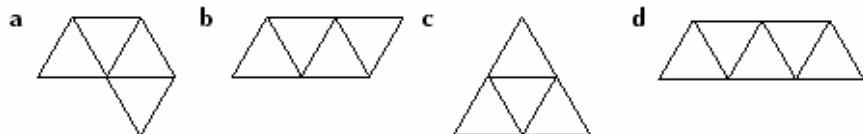


Home Learning 18.4_5 Date Due:.....

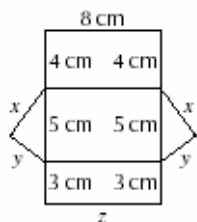
1 Which of the following are nets for a cube?



2 Which of the following are nets for a regular tetrahedron?



3 The sketch below is a net for a triangular prism. Write down the lengths of x , y and z .



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Mark:

Home Learning 13.3 Date Due:.....

- The sum of four consecutive even numbers is 124. What are the numbers?
- I am four times as old as my daughter. She was born when I was 39. How old am I now?
- I bought four cups of tea and five buns. Each bun was 10p more than a cup of tea. These altogether cost me £5. How much was a cup of tea?

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Mark:

Home Learning 14.1 Date Due:.....

1 The logos below can be seen on different makes of cars. Sketch each logo and draw its lines of symmetry.



2 Draw, on squared paper, two copies of the diagram on the right.

- On one copy shade in one more square so that the diagram has two lines of symmetry.
- On the other copy shade in three more squares so that the diagram has four lines of symmetry.



3 Write down the order of rotational symmetry for each of the following shapes.



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Home Learning 17.4 Date Due:.....

Early in 2002 in the USA, the exchange rate for \$1 was £0.64.

a Copy and complete the following table using this exchange rate.

Dollar (\$)	1	10	20	30	40
Pound (£)	0.64	6.40			

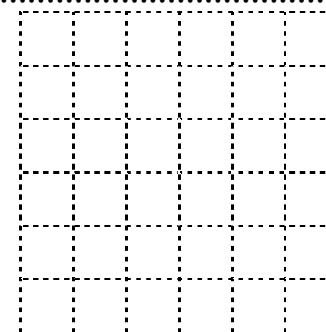
b Use the data from this table to draw a conversion graph from pounds to US dollars.

c Use your graph to convert each of the following amounts to US dollars.

i £8 ii £24 iii £32.80

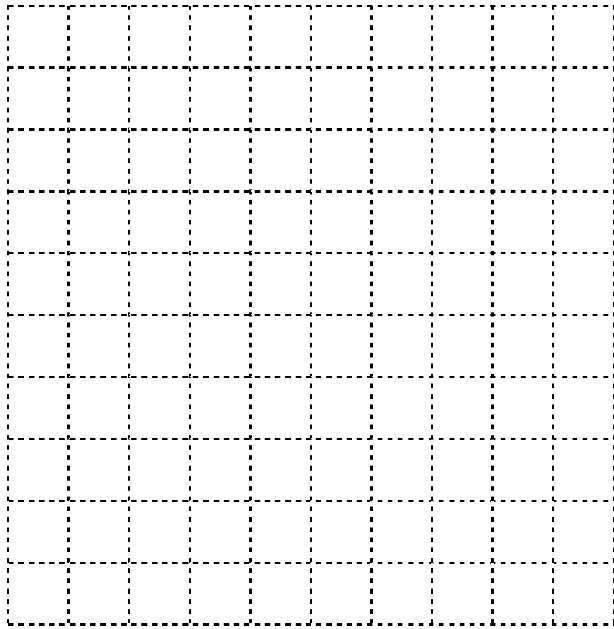
d Use your graph to convert each of the following amounts to pounds.

i \$5 ii \$15 iii \$25



Mark:

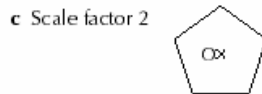
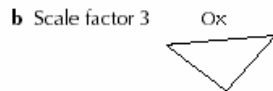
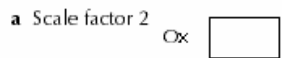
Mark:



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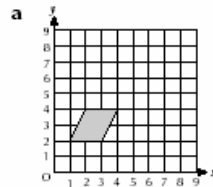
Home Learning 14.5 Date Due:.....

1 Draw copies of the following shapes below and enlarge each one by the given scale factor about the centre of enlargement O.



2 Copy the shapes on the right onto centimetre squared paper and enlarge each one by the given scale factor about the origin O.

a scale factor 2



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Home Learning 16.4 Date Due:.....

- Find
 - $\frac{2}{3}$ of £65
 - $\frac{1}{2}$ of 70 kg
 - $1\frac{1}{2}$ of 25 m
 - $1\frac{1}{2}$ of 66 daffodils
- Find as a mixed number:
 - $7 \times \frac{2}{3}$
 - $5 \times 1\frac{1}{2}$
 - $4 \times 2\frac{1}{2}$
 - $3 \times \frac{4}{7}$
- There are 390 pupils in a primary school. $\frac{2}{3}$ of them are boys. How many girls are there in the school?
- A house brick weighs $\frac{1}{2}$ kilogram. How much will seven bricks weigh?
- In a herd of 180 cows, $\frac{2}{3}$ are Jerseys. How many Jersey cows are there?

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Mark:

Home Learning 16.5 Date Due:.....

1 Copy and complete this table.

	a	b	c	d	e
Decimal	0.15		0.34		
Fraction		$\frac{2}{3}$		$\frac{1}{4}$	
Percentage					42%

- Without a calculator, work out each of these.
 - 15% of £280
 - 40% of 60 sweets
 - 45% of £5.60
- In a sports store, there are 320 balls. 25% of them are footballs, 35% are tennis balls, 15% are basketballs, 5% are hockey balls and the rest are rugby balls.
 - What percentage are rugby balls?
 - How many of each type of ball are there in the store?

