

- 1 (a) One metre of electric cable weighs 2.8 kg.

How much does 3.5 metres of cable weigh?

(a).....kg [3]

- (b) Henry pays £1.88 for 0.4 kg of beef.

Calculate the cost of 1 kg of beef.

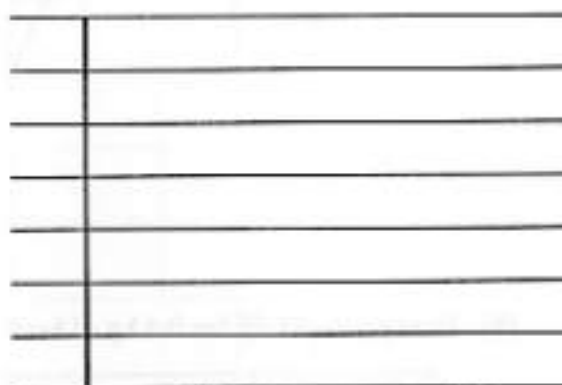
(b) £..... [2]

5	
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- 2 A technician repairs computers.
He records the time he takes to complete each job.
The times, in minutes, are shown below.

74	26	54	87	59	58
45	80	62	43	53	56
81	60	32			

- (a) Draw a stem and leaf diagram for this information.



[3]

- (b) What is his median time?

(b)minutes [1]

4

3 (a) Solve.

(i) $2(x + 3) = 15$

(a)(i) [3]

(ii) $3x + 8 = x - 2$

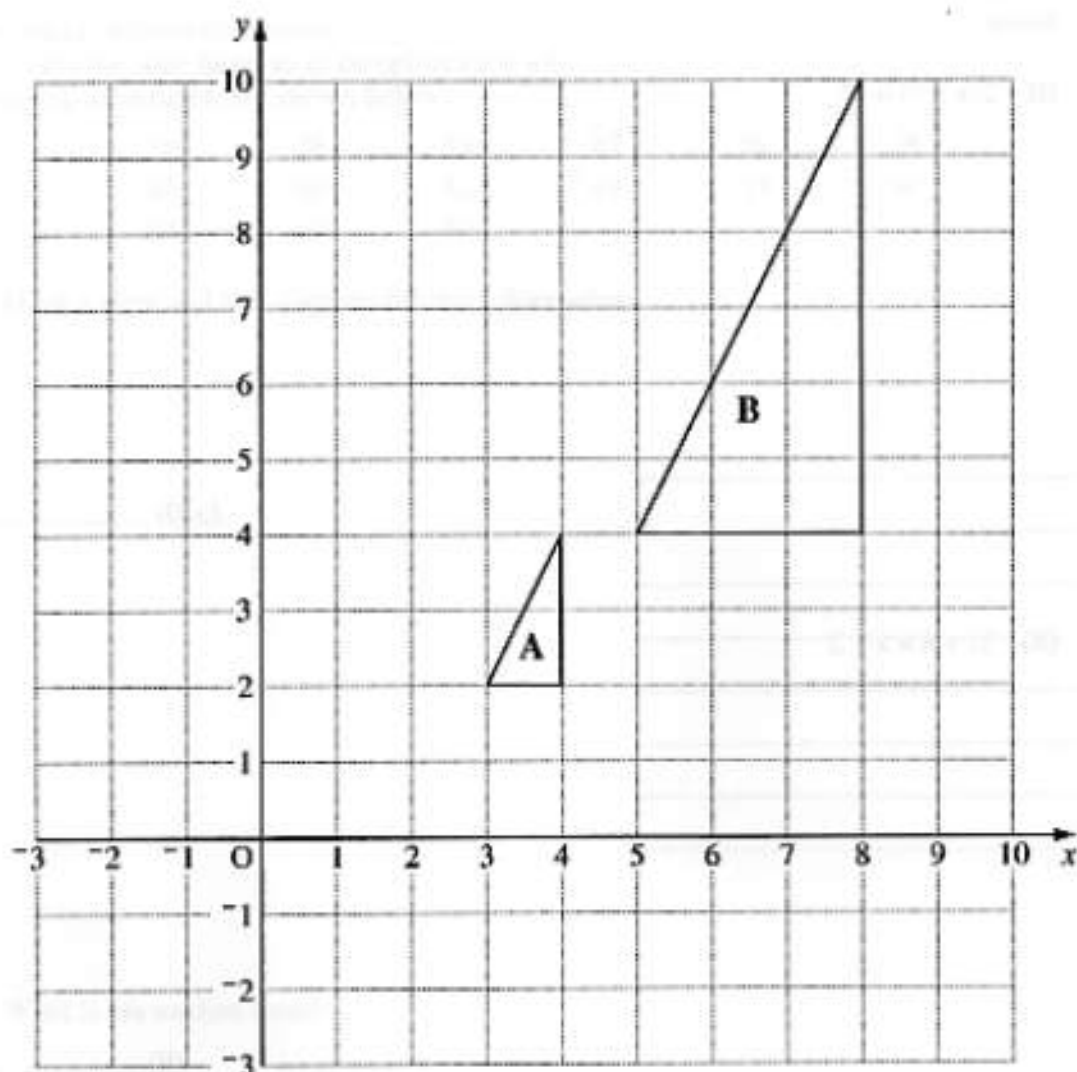
(ii) [3]

(b) Factorise.

$6x + 12$

(b) [1]

7	
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In the diagram, triangle B is an enlargement of triangle A.

(a) Write down the scale factor of the enlargement.

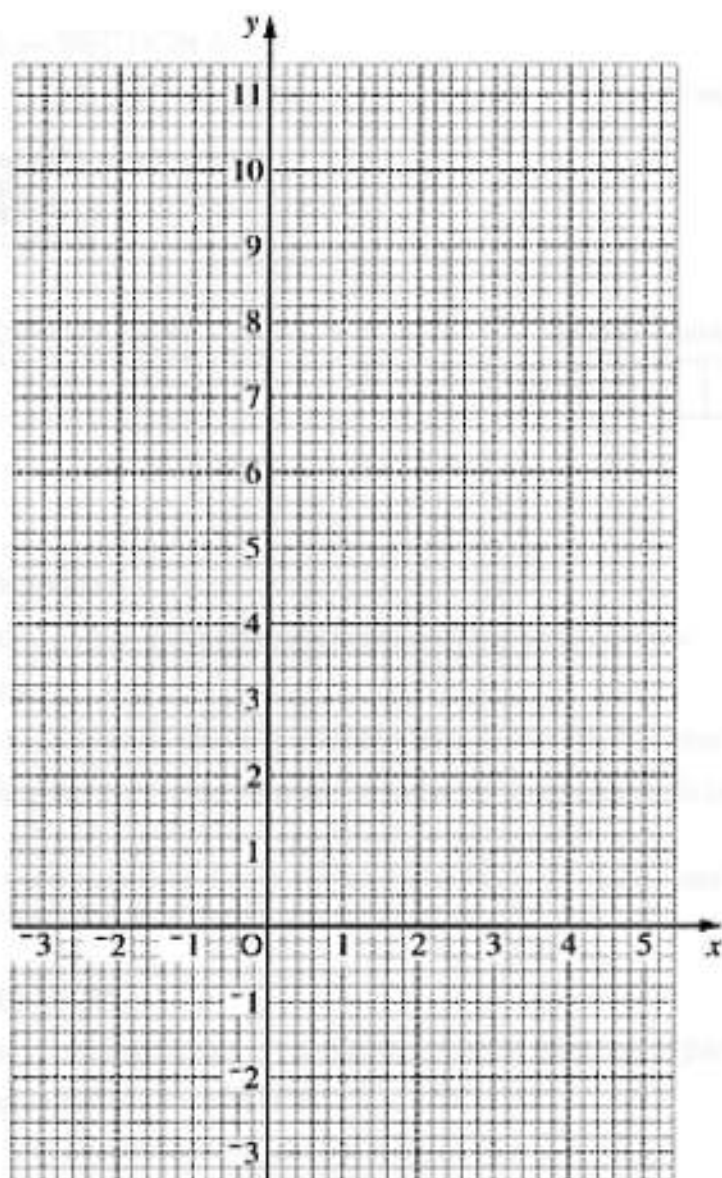
(a) [1]

(b) Find the coordinates of the centre of enlargement.
Show your working.

(b) (.....,) [2]

3

- 5 (a) Draw the graph of $y = 2x + 1$.



[3]

- (b) Write down the coordinates of the point where this line crosses the line $x = 0$.

(b) (.....,) [1]

4	
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TURN OVER FOR QUESTION 6

6 Work out.

(a) $\frac{4}{9} \times \frac{1}{3}$



(a) [1]

(b) $\frac{4}{5} + 3$

(b) [1]

2
