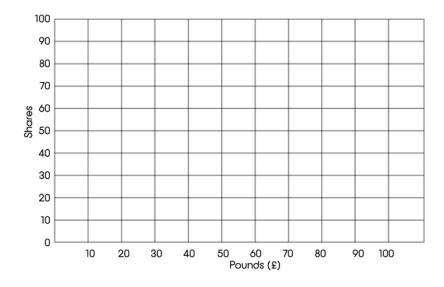


NAME:					
CLASS:					
DATE:					
	Basic				
1) The price for a can of juice is 60p and for a bar of chocolate, 70p. The total cost of j cans of juice and c bars of chocolate is given by the formula: $T = 60j + 70c$. Use the formula to calculate the total cost if:					
a) j = 2 and c = 1	b) j = 3 and c = 0	c) <i>j</i> = 4 and <i>c</i> = 3			
d) j = 2 and c = 10	e) <i>j</i> = 3 and <i>c</i> = 4	f) $j = 0$ and $c = 6$			
2) Seven children are give2p left over.a) What was the sum of m		ally so that they each receive £7.14. There is			
b) If £10 of the money had have received?	d been given to charity, what amount o	of money would each of the children			



Basic

3) Using the set of axes below, draw a graph for calculating the total price of certain shares on the stock market. If £50 purchases 60 shares, plot this on the graph and draw a straight line to use for conversions.



- a) Using the graph, how many shares can be purchased for:
- (i) £30

(ii) £15

(iii) £80

- b) Using the graph, what would be the cost of:
- (i) 30 shares

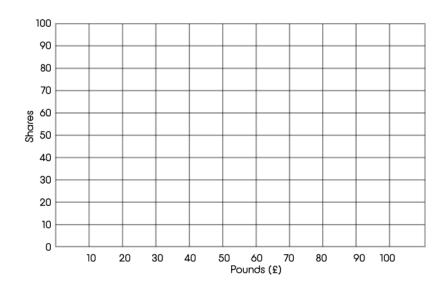
(ii) 80 shares

(iii) 100 shares



	Core)
DATE:		
CLASS:		
NAME:		

1) Using the set of axes below, draw a graph for calculating the total price of certain shares on the stock market. If £50 purchases 60 shares, plot this on the graph and draw a straight line to use for conversions.



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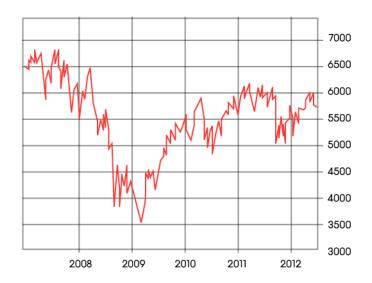
(ii) 80 shares

(iii) 100 shares



Core

- 2) The cost of purchasing shares from a stockbroker is £3 per share plus a £50 arrangement fee.
- a) Write down an expression for the cost, c, in pounds, for purchasing n shares from the stockbroker.
- b) Calculate the cost of purchasing 200 shares.
- c) How many shares can be purchased for £1000?
- 3) The values of stocks in a market increase and decrease through time. The graph below shows the fluctuation in stock prices from 2007–2012.



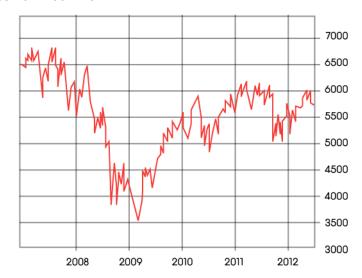
- a) Which year recorded the lowest stock value?
- b) Which year recorded the highest stock value?
- c) Mid 2009–2010 saw a steady increase in stock value. Describe what occurred with stock value from early 2010–mid 2011.



NAME:	
CLASS:	
DATE:	 A

Advanced

- 1) The cost of purchasing shares from a stockbroker is £3 per share plus a £50 arrangement fee.
- a) Write down an expression for the cost, c, in pounds, for purchasing n shares from the stockbroker.
- b) Calculate the cost of purchasing 200 shares.
- c) How many shares can be purchased for £1000?
- 2) The values of stocks in a market increase and decrease through time. The graph below shows the fluctuation in stock prices from 2007–2012.

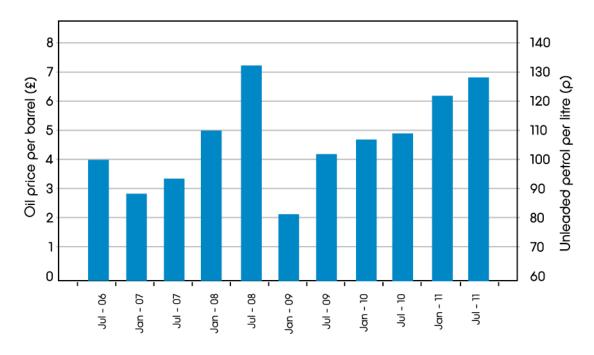


- a) Which year recorded the lowest stock value?
- b) Which year recorded the highest stock value?
- c) Mid 2009–2010 saw a steady increase in stock value. Describe what occurred with stock value from early 2010–mid 2011.



Advanced

3) Below are given the figures for oil prices (in £s) versus the total cost of unleaded petrol per litre.



- a) When was the cost of oil at its highest?
- b) When was the price of petrol at its highest?
- c) Using the above graph predict the price of oil in July 2012.
- d) What is the correlation between the price of oil and the price of petrol?

ANSWERS

Basic

1) a)£1.90

b) £1.80

c) £4.50

d) £8.20

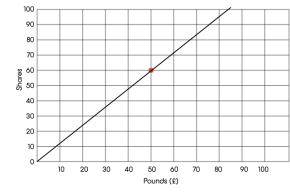
e) £ 4.60

f)£4.20

2) a) £50

b) £5.71

3)

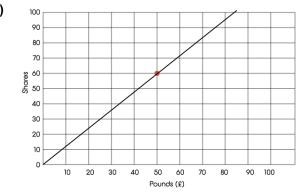


a) (i) 36; (ii) 18; (iii) 96

b) (i) £25; (ii) £67; (iii) £83

Core

1)



a) (i) 36; (ii) 18; (iii) 96

b) (i) £25; (ii) £67; (iii) £83

2) a) c = 3n + 50

b) £650

c) 316

3) a) 2009

b) 2008

c) Steady increase then dramatic drop

Advanced

1) a) c = 3n + 50

b) £650

c) 316

2) a) 2009

b) 2008

c) Steady increase then dramatic drop

3) a) July 2008

b) July 2011

c) Approximately £80

d) Positive: as price of oil increases so does the price of petrol.