

Essential Skills 18

The questions in this series of worksheets appear frequently.

These are the GIFTS you must take to succeed



Straight Lines (Non Calculator)

Find the equation of the line connecting the points:

1. $A(2, 5)$ & $B(8, 23)$
2. $C(0, 7)$ & $D(5, 17)$
3. $E(-3, 2)$ & $F(2, 7)$
4. $G(-1, -4)$ & $H(3, 4)$
5. $J(-4, 7)$ & $K(1, 2)$
6. $L(-5, 0)$ & $M(0, -10)$
7. $P(-4, 0)$ & $Q(0, 5)$
8. $R(0, -3)$ & $S(4, 7)$
9. $T(3, 1)$ & $U(7, 7)$
10. $V(-2, 5)$ & $W(4, -3)$

APPLYING QUESTION

A local delivery firm charges a basic £2 for deliveries.

An extra charge is dependent on distance, as shown in the diagram.

M is the distance (miles) and C is cost (£)

- (a) If an 8 mile delivery costs £6 find an equation, in terms of M and C, for the line.
- (b) What would the cost be for a 25 mile delivery?

