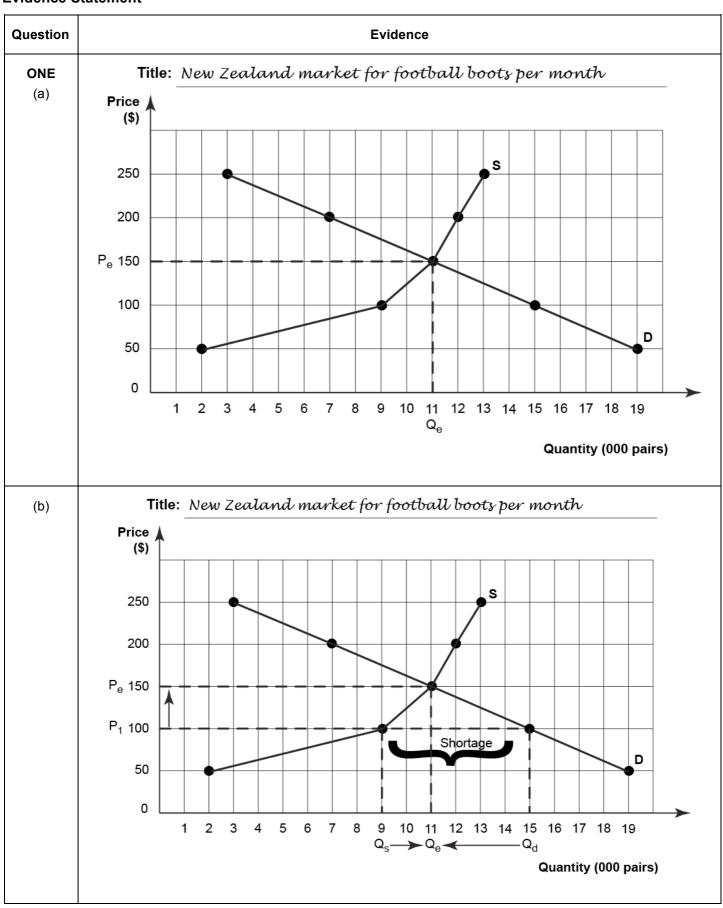
## Assessment Schedule - 2013

Economics: Demonstrate understanding of how consumer, producer and/or government choices affect society, using market equilibrium (90986)

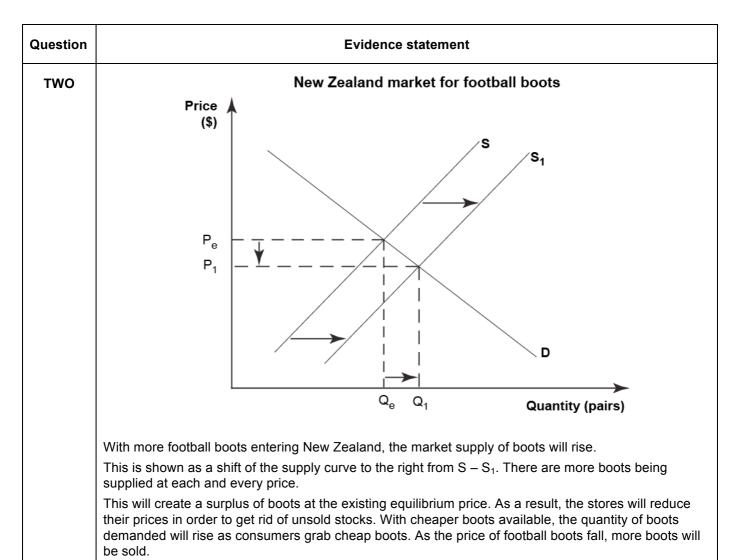
## **Evidence Statement**



Question	Evidence statement
ONE (c)	At \$100 there is a shortage of 6 000 pairs of boots, as there are 15 000 boots demanded – but only 9 000 boots supplied. Boot buyers will bid up the price of boots, as they fear missing out.
(-)	As the price rises, quantity demanded will fall (from 15 000 pairs to 11 000 pairs) as some players can no longer afford to buy the now more expensive boots. This is the law of demand.
	Meanwhile, the sellers of boots will increase the quantity supplied (from 9 000 to 11 000 pairs), as boots will now be more profitable. This is the law of supply.
	The price of boots will stop rising when the price reaches \$150, at which the quantity demanded will equal quantity supplied of 11 000 pairs.

N1	N2	А3	A4	M5	М6	E7	E8
Shows partial understanding with only ONE of:  correct plotting of most points  identifies a shortage  describes a shortage  identifies a rise in price.	Shows partial understanding with TWO of:	Shows understanding with correct plotting of 9 points, with equilibrium point identified and ONE of:  identifies a shortage  describes a rise in price.	Shows breadth of understanding with correct plotting of all points, with equilibrium point identified and TWO of:  identifies a shortage  describes a shortage  identifies a rise in price.	Detailed explanation of how equilibrium is restored.  Any THREE of:  • uses data to identify a shortage  • explains the shortage ie Qd > Qs  • explains why price will increase (ie. consumer will bid up price)  • applies law of supply (ie P↑ Qs ↑)  • applies law of demand (ie P↑ Qd ↓)	Detailed explanation of how equilibrium is restored.  Any FOUR of:  • uses data to identify a shortage  • explains the shortage ie Q <sub>d</sub> > Q <sub>s</sub> • explains why price will increase (ie consumer will bid up price)  • applies law of supply (ie P↑ Q <sub>s</sub> ↑)  • applies law of demand (ie P↑ Q <sub>d</sub> ↓)	Comprehensive explanation of how equilibrium is restored with some reference to data / graph. Only minor errors in use of economic terms.  • explains shortage using data – calculates size of shortage  • explains why price will increase (ie consumer will bid up price)  • explains why Q <sub>s</sub> rises as P increases (ie: more profitable)  • explains why Q <sub>d</sub> falls as P increases (ie: less affordable)  • until market clears, Q <sub>s</sub> = Q <sub>d</sub> , equilibrium restored – figures not stated.	Comprehensive explanation of how equilibrium is restored with specific reference to data / graph.  Uses appropriate economic terms.  • explains shortage using data – calculates size of shortage  • consumer will bid up price to obtain available boots  • explains why Q <sub>s</sub> rises as P increases (ie: more profitable)  • explains why Q <sub>d</sub> falls as P increases (ie: less affordable  • equilibrium restored at \$150 & Q <sub>e</sub> = 11 000 pairs.

**N0** = No response; no relevant evidence.



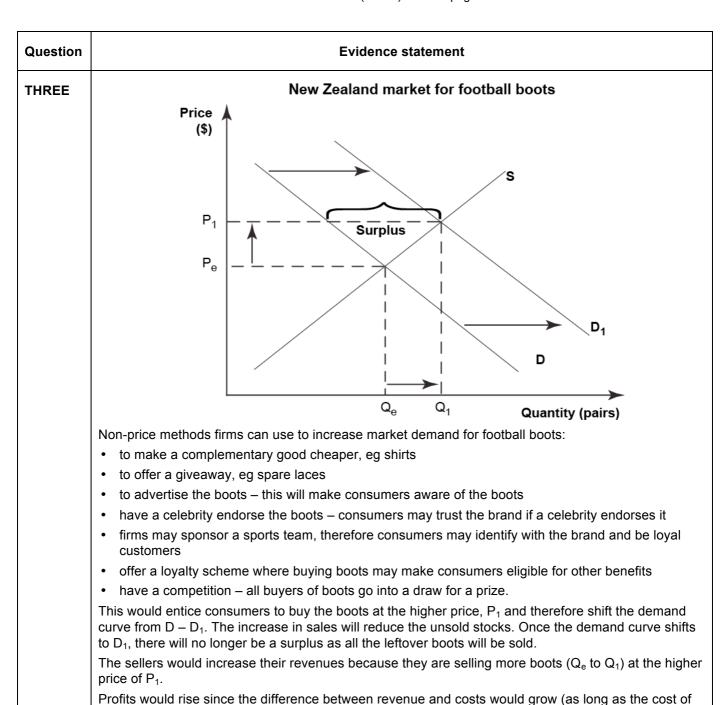
Football boot consumers will be better off as they now have access to cheaper boots. This may also entice:

- some consumers to buy a spare pair of boots
- those who do not play soccer may now wish to take it up as the boots are cheaper
- football club memberships will possibly grow.

Football consumers will have greater choice, as more variety of boots enter the market. With cheaper boots, consumers may now spend more on other items. Some consumers may switch away from more expensive activities.

N1	N2	А3	A4	M5	М6	E7	E8
Shows partial understanding with only ONE of:  • shifts supply curve to right  • states that market supply will rise  • identifies a fall in price  • identifies a rise in quantity sold.	Shows partial understanding with TWO of:  • shifts supply curve to right  • states that market supply will rise  • identifies a fall in price  • identifies a rise in quantity sold.	Shows understandi ng with THREE of: • shifts supply curve to right • states that market supply will rise • identifies a fall in price • identifies a rise in quantity sold.	Shows breadth of understan ding with FOUR of:  • shifts supply curve to right  • states that market supply will rise  • identifies a fall in price  • identifies a rise in quantit y sold.	Detailed explanation of the change in supply:  • shifts S to the right, new equilibrium identified  AND explains THREE of:  • market supply rising due to more boots being imported  • fall in price due to excess supply  • producers lower price to clear surplus / excess goods  • As price decreases - Qd (not D) increases  • benefit to consumer.	Detailed explanation of the change in supply:  shifts S to the right, new equilibrium identified  AND explains FOUR of:  market supply rising due to more boots being imported  fall in price due to excess supply  producers lower price to clear surplus / excess goods  Q <sub>d</sub> (not D) increases  benefit to consumer.	Comprehensive explanation of the effect of a change in supply on market equilibrium and consumers.  Only minor errors in use of economic terms, AND:  Inks reasons for increased market supply to shift of S to right or S-S1  Inks fall in price to excess supply / surplus and producers' reasons for decreasing prices  Inks decrease in price to increase in Qd OR benefit for the consumer.  Ref Pe to P1, Qe to Q1, S to S1 are used and consistent with changes shown on graph	Comprehensive e explanation of the effect of a change in supply on market equilibrium and consumers in context.  Uses appropriate economic terms eg quantity demanded not demand, AND:  Inks reasons for increased market supply to shift of S to right or S-S1  Inks fall in price to excess supply and producers' reasons for decreasing prices  Inks decrease in price to increase in Qd  benefit for the consumer.  Ref Pe to P1, Qe to Q1, S to S1 are correct and consistent with changes shown on graph

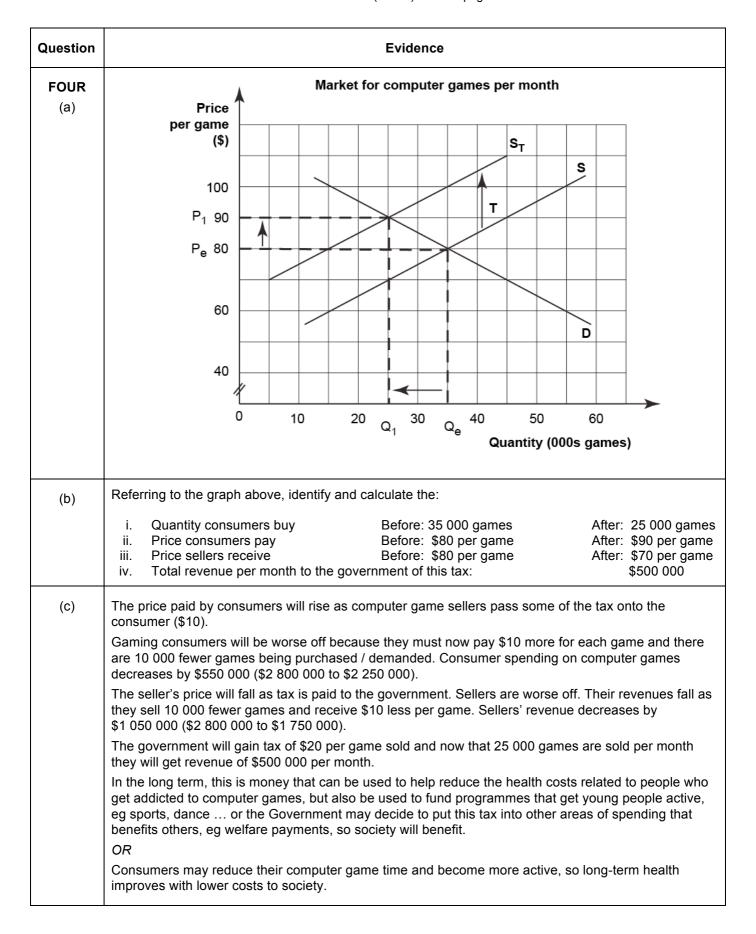
**N0** = No response; no relevant evidence.



the promotion did not outweigh the increase in revenue).

N1	N2	А3	A4	M5	М6	E7	E8
Shows partial understanding with only ONE of:  • identifies P <sub>1</sub> as a price with a surplus  • labels the surplus of boots at P <sub>1</sub> • identifies ONE non-price method  • shifts the demand curve to the right  • states that football boot sellers' revenue will increase.	Shows partial understanding with TWO of:  • identifies P <sub>1</sub> as a price with a surplus  • labels the surplus of boots at P <sub>1</sub> • identifies ONE non-price method  • shifts the demand curve to the right  • states that football boot sellers' revenue will increase.	Shows understanding with THREE of  identifies P1 as a price with a surplus  labels the surplus of boots at P1  identifies ONE non- price method  shifts the demand curve to the right  states that football boot sellers' revenue will increase.	Shows breadth of understanding with FOUR of:  • identifies P <sub>1</sub> as a price with a surplus  • labels the surplus of boots at P <sub>1</sub> • identifies ONE non-price method  • shifts the demand curve to the right  • states that football boot sellers' revenue will increase.	Detailed explanation of the effect on equilibrium:  • graph correct & shifts D to the right to eliminate the surplus  AND ONE of Explains  • how a non- price method increases demand  • how demand shifts to eliminate surplus  • the effect on sellers' revenue  • the effect on sellers' profit	Detailed explanation of the effect on equilibrium:  • graph correct & shifts D to the right to eliminate the surplus  AND TWO of Explains:  • how a non- price method increases demand  • how demand shifts to eliminate surplus  • the effect on sellers' revenue  • the effect on sellers' profit	Comprehensive explanation of the effect of the non-price method.  Mostly in context. Only minor errors in use of economic terms.  AND THREE of Explains:  • how a non-price method increases demand  • how demand shifts to eliminate surplus  • the effect on sellers' revenue  • the effect on sellers' profit  Ref Pe to P1, Qe to Q1, D to D1 are used and consistent with changes shown on graph.	Comprehensive explanation of the effect of the non-price method, in context.  Uses appropriate economic terms eg quantity supplied not supply.  • how a non-price method increases demand  • how demand shifts to eliminate surplus  • the effect on sellers' revenue  AND  • that revenue needs to outweigh the cost for profits to increase.  Ref Pe to P1, Qe to Q1, D to D1 are correct and consistent with changes shown on graph.

**N0** = No response; no relevant evidence.



N1	N2	А3	A4	M5	М6	E7	E8
Shows partial understanding with only ONE of:  • shifts the supply curve to the left  • labels a higher price  • labels a lower quantity.	Shows partial understanding with TWO of:  • shifts the supply curve to the left  • labels a higher price  • labels a lower quantity.	Shows understanding with ALL of:  • shifts the supply curve to the left  • labels a higher price  • labels a lower quantity.	Shows breadth of understanding with ALL of:  • shifts S to the left correctly  • labels a higher price  • labels a lower quantity  AND TWO of:  • quantity consumers buy before and after  • price consumers pay before and after  • price sellers receive before and after  • government revenue.	Detailed explanation of effect of sales tax.  • shifts S to the left correctly AND correctly stating THREE of:  • quantity consumers buy before and after  • price consumers pay before and after  • price sellers receive before and after  • government revenue.	Detailed explanation of effect of sales tax.  • shifts S to the left correctly AND correctly stating FOUR of:  • quantity consumers buy before and after  • price consumers pay before and after  • price sellers receive before and after  • government revenue.	Comprehensive explanation of the effect of sales tax by correctly stating:  • quantity consumers buy before and after  • price consumers pay before and after  • price sellers receive before and after  • government revenue  AND explaining THREE of:  • change in price to consumer and effects on consumer spending  • change in price to producer and effects on sellers' revenue  • government revenue  • the benefit to society of the tax revenue.  Figures correct but not required to be repeated in the explanation; minor error in terms or specific terminology omitted.	Comprehensive explanation of the effect of sales tax by correctly stating:  • quantity consumers buy before and after  • price consumers pay before and after  • price sellers receive before and after  • price sellers receive before and after  • government revenue  AND explaining ALL of:  • uses data to explain change in price to consumer and effects on consumer spending  • uses data to explain changes in price to producer and effects on sellers' revenue  • government revenue  • government revenue  • the benefit to society of the tax revenue.  Figures and economic terms are correct and at least two figures cited in paragraph — one of which needs to be a calculation of consumer spending OR producer revenue.

## NCEA Level 1 Economics (90986) 2013 — page 9 of 9

## **Judgement Statement**

	Not Achieved	Achievement	Achievement with Merit	Achievement with Excellence
Score range	0 – 8	09 – 17	18 – 24	25 – 32