**EXCHANGE RATES**

**1.**

**Pearson Edexcel - Specimen Papers Set 1 - Paper 2 (Calculator) Higher Tier**

| 2 | £: 1980 ÷ 1.34 = 1477.61 2250 ÷ 1.52 = **1480.26** €: 1480 × 1.34 = 1983.2 2250 ÷ 1.52 × 1.34 = 1983.55 $: 1480 × 1.52 = 2249.6 1980 ÷ 1.34 × 1.52 = **2245.9** | Jardins of Paris | P1 P1 C1 | correct process to convert one price to another currecncy, eg 1980 ÷ 1.34 for a complete process leading to 3 prices in the same currency for 3 correct and consistent results and a correct comparison made. |
|---|---|---|---|---|

**Pearson Edexcel - Sample Paper 3 - (Calculator) Higher Tier**

**2.**

| 2 | (a) | 550 × 3.5601 | 1958 | M1 A1 | 550 × 3.5601 |
|---|---|---|---|---|---|
| | (b) | 210 ÷7 × 2 = 30 × 2 Or 60 ÷2 = 30 and 30 × 7 = 210 | Shown | M1 C1 | For correct method to convert cost in UK to lira or vice versa, using Asif's approximation Shown with correct calculations |
| | (c) | | Correct evaluation | C1 | For an evaluation e.g. It is a sensible start to the method because he can do the calculations without a calculator and 3.5 lira to the £ is a good approximation |

**Pearson Edexcel - Friday 7 November 2014 - Paper 2 (Calculator) Higher Tier**

**3.**

| 6 | | | 2.10 euros or £1.81 | 3 | M1 for 2.5 × 1.16 (= 2.9) M1 (dep) for 5 − "2.9" (=2.1) A1 for 2.1(0) euros OR M1 for 5 ÷ 1.16 (= 4.31...) M1 (dep) for "4.31" − 2.50 (=1.81) A1 for £1.81 |
|---|---|---|---|---|---|

**Pearson Edexcel - Friday 8 November 2013 - Paper 2 (Calculator) Higher Tier**

**4.**

| 5 | | | £26.50 **or** HK$325.95 | 3 | M1 for 3179.55 ÷ 12.3 (=258.5) M1 (dep) for 285 - '258.5' A1 for £26.50 (correctly stated with currency) **OR** M1 for 285 × 12.3 (=3505.5) M1 (dep) for '3505.5' - 3179.55 (=325.95) A1 for HK$325.95 (correctly stated with currency) |
|---|---|---|---|---|---|

**Pearson Edexcel - Thursday 8 November 2012 - Paper 2 (Calculator) Higher Tier**

**5.**

| 10 | For example | | | Cheaper in US | 4 | M1 for 1.24 × 3.79 (= 4.6996) **or** 1.24 × 1.47 (=1.8228) |
|---|---|---|---|---|---|---|

For example

| | UK | USA |
|---|---|---|
| $ per US gal | ($)6.90(8412) | [$3.15] |
| £ per litre | [£1.24] | (£)0.56(53...) |
| £ per US gal | (£)4.69(96) | (£)2.14(28...) |
| $ per litre | ($)1.82(28) | ($)0.83(11...) |

Cost in £ per US gal of UK fuel= £1.24 × 3.79 = £4.6996
Cost in $ per US gal of UK fuel = $1.47 × 4.6996 = $6.908412

**OR**
Cost in £ of 1 US gal of US fuel = $3.15 ÷ 1.47 = £2.14
Cost in £ per litre of US fuel = £2.14 ÷ 3.79 =£0. 56(5..

**OR**
Cost in UK in £ per US gal = £1.24 × 3.79 (=£4.6996)
Cost in USA in £ per US gal = £3.15 ÷ 1.47 (=2.1428)

**OR**
Cost in UK is $ per litre = £1.24 × 1.47 (=1.8228)
Cost in USA in $ per litre = 3.15 ÷ 3.79 (=0.8311...)

M1 for 1.47 × '4.6996' or 3.79 × '1.8228'
A1 for 6.90(8412)
C1 (dep on M2) for $'6.90(8412)' or $'6.91' and reaching a conclusion consistent with their calculation

**OR**
M1 for 3.15 ÷ 1.47 (=2.1428..) **or** 3.15 ÷ 3.79 (=0.8311)
M1 for '2.14' ÷ 3.79 **or** '0.8311' ÷ 1.47
A1 for 0. 56(53...)
C1 (dep on M2) for £'0. 56(53...)' or '£0.57' and reaching a conclusion consistent with their calculation

**OR**
M1 1.24 × 3.79 (= 4.6996)
M1 3.15 ÷ 1.47 (=2.1428..)
A1 4.69(96) and 2.14(28...)
C1 (dep on M2) for £'4.69(96)' **or** £'4.70' **AND** £'2.14(28...)' and reaching a conclusion consistent with their calculation

**OR**
M1 for 1.24 × 1.47 (=1.8228)
M1 for 3.15 ÷ 3.79 (=0.8311...)
A1 for 1.82(28) **and** 0.83(11...)
C1 (dep on M2) for $'1.82(28)' and $'0.83(11...)' and reaching a conclusion consistent with their calculation

**NB:** Throughout values can be rounded or truncated to 1 or more decimal places. In order to award the communication mark, correct currency must be shown with the calculated value(s) but these can still be rounded or truncated to one or more decimal places as they are being used for comparison.

**Pearson Edexcel - Wednesday 13 June 2012 - Paper 2 (Calculator) Higher Tier**

**6.**

| 9 | | | 51 | 3 | M1 200 × 25.82 (= 5164) |
|---|---|---|---|---|---|

A1 for 5164 or 5160 or 5100 or 5200 or 51.64 or 51.6(0) or 52
A1 for 51 cao

**OR**
M1 for 100 ÷ 25.82 (= 3.87...) **and** 200 ÷ '3.87...' (= 51.64)
A1 for 5164 or 5160 or 5100 or 5200 or 51.64 or 51.6(0) or 52
A1 for 51 cao

**Pearson Edexcel - Monday 5 March 2012 - Paper 4 (Calculator) Higher Tier**

**7.**

| 3 | (a) | $350 \times 1.34$ | 469 | 2 | M1 for $350 \times 1.34$ or digits 469<br>A1 for 469 |
|---|-----|-------------------|-----|---|---|
|   | (b) | $67 \div 1.34 = 50$<br>$50 - 47.50$ | 2.50 | 3 | M1 for $67 \div 1.34$ or 50 seen<br>M1 (dep) for "50" − 47.5(0)<br>A1 for £2.5(0) |
|   |     | $47.50 \times 1.34 = 63.65$<br>$67 - 63.65 = 3.35$<br>$3.35 \div 1.34 =$ |  |  | **OR**<br><br>M1 for $47.5(0) \times 1.34$ or 63.65 or 3.35 seen<br>M1 (dep) for $67 - $ "63.65"(= 3.35) **and** "3.35" $\div 1.34$<br>A1 for £2.5(0) |

**Pearson Edexcel - Monday 14 November 2011 - Paper 4 (Calculator) Higher Tier**

**8.**

| 9 |  | $1 \div 1.14 = 0.877\ldots$ is worse than 0.86<br>OR<br>$1 \div 0.86 = 1.162\ldots$ is better than 1.14<br>OR<br>Change say £100<br>$1.14 \times 100 = 114$<br>$100 \times \dfrac{1}{0.86} = 116.28$ | Paris since $1.16.. > 1.14$ | 3 | M1 for an attempted conversion using 1.14 or 0.86<br>A1 for arriving at two comparable amounts of money in the same currency<br>A1 for Paris with correct figures |
|---|---|---|---|---|---|

**Pearson Edexcel - Friday 11 June 2010 - Paper 4 (Calculator) Higher Tier**

**9.**

| 3 | (a) | $1.25 \times 620$ | 775 | 2 | M1 for $1.25 \times 620$ oe<br>A1 cao |
|---|-----|-------------------|-----|---|---|
|   | (b) | $50 \div 1.25 = 40$<br>$42 - 40$<br>or<br>$42 \times 1.25 = 52.5$<br>$52.5 - 50 = 2.50$ | 2 | 3 | M1 for $50 \div 1.25 \ (=40)$ oe<br>M1 (dep) for $42-$"40" or "40" - 42<br>A1 cao for £2<br>OR<br>M1 for $42 \times 1.25 (= 52.5)$ oe<br>M1 (dep) for "52.5"-50 or 50 - "52.5"<br>A1 cao for £2<br>[A0 for €2.5(0) or £2.5(0) without any working]<br>SC: Award B2 for -£2 |

**10.**