Powerpoint Decimal Mark Scheme

French Advert (June 18)

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| | R3 | Process to convert between currencies or work with 5 adverts | 1 or | P | 195 ÷ 1.1025 (= 176.87..) **OR** 195 × 5 (=975) |
| | A4 | Full process to find total amount | 2 or | PQ | '176.87' × 5 (=884.35..) **OR** '975' ÷ 1.1025 (=884.35..) |
| | I6 | Accurate figure | 3 | PQR | (£) [884 , 885] Must not come from incorrect working |
| **Total marks for question** | | | **3** | | |

Olive Oil (Oct 17)

| | | | | | |
|---|---|---|---|---|---|
| **(b)** | R2 | Process to find number of bottles needed. | 1 or | N | e.g. '2500'÷ 750 (=3.3) **OR** '2500'÷ 500 (=5) **OR** '2500'÷ 250 (=10) Allow adding on to get 2.5 litres or subtracting from 2.5 litres Allow working out a cost of comparable quantities of oil to find the best value e.g. cost of 1 ml in each bottle |
| | A4 | Process to find total cost of bottles totalling 2.5 litres | 2 or | NP | e.g. 2 × 3.59 + 2 × 2.46(=12.1) **OR** 3 × 3.59 + (1×)1.36 (=12.13) **OR** 2 × 3.59 + (1×) 2.46 + 2 × 1.36 (=12.36) **OR** 5 × 2.46 (= 12.3) **OR** 10 × 1.36(=13.6) Other combinations are possible |

Baggage Oct 15

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| | R2 | Finds total allowed weight or excess he can afford | 1 or | J | 23 × 4 (=92) **OR**<br>10 000 ÷ 1800 (=5.5…) |
| | I6 | Finds excess weight or total weight he can afford to carry | 2 or | JK | 97.4 – '92' (=5.4) **OR**<br>23 × 4 (=92) **and** 10 000 ÷ 1800 (=5.5…) |
| | A4 | Full process to find figures to compare | 3 | JKL | '5' × 1800(=9000) **OR**<br>'5.4' × 1800(=9720) **OR**<br>(Their '5' must be a whole number from correctly rounded down answer in previous mark) **OR**<br>97.4 – '92' (=5.4) **and** 10 000 ÷ 1800 (=5.5…) |
| | I7 | Correct answer with accurate figures | 1 | M | Yes **and** 9000 (loyalty points) **or** 9720 (loyalty points) **OR**<br>Yes **and** 5.4 **and** 5.5…(kg) |
| **Total marks for question** | | | **4** | | |

Birthday Party June 16

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| | R2 | Begins the process to find total cost or cost per child | 1 or | A | 3 × 30(=90) **OR**<br>6.80 × 12(=81.6) **OR**<br>2.29 ÷ 6 (=0.381..) **OR**<br>400 ÷ 12(=33.33..) **OR**<br>150 ÷ 12 (=12.5)<br>Allow 2.29 × 12 (=27.48) |
| | A4 | Develops solution | 2 or | AB | 2.29 × 12 ÷ 6 (=4.58) **OR**<br>(3 × 30) ÷ 12 (=7.5) **OR**<br>Adds at least 3 costs together **OR**<br>Subtracts at least 3 costs from (£)400 **or** from (£)33.33..<br>Allow use of '27.48' |
| | I6 | Full process to find the total cost at village hall or cost per child | 3 | ABC | '90' + 150 + '81.6' + '4.58' (=326.18) **OR**<br>'7.5' + '12.5' + 6.8 + '0.381..' (=27.181..) **OR**<br>400 – '90' – 150 – '81.6' – '4.58'(=73.82) **OR**<br>'33.33..' – '7.5' – '12.5' – 6.8 – '0.381..' (=6.15..)<br>Allow use of '27.48' (leads to (£)349.08) |
| | R3 | Process to find total of lunch at princess party or cost per child | 1 or | D | 4.49 × 12 (=53.88) **OR**<br>299 ÷ 12 (=24.91..)<br>Allow 299 ÷ 15 (=9.93) × 12(=239.04) |
| | I6 | Full process to find total cost or cost per child at princess party | 2 | DE | '53.88' + 299 (=352.88) **OR**<br>'24.91' + 4.49 (=29.4066..) **OR**<br>400 – '53.88' – 299(=47.12) **OR**<br>'33.33..' – 4.49 – '24.91..'(=3.92..)<br>Allow '53.88' + '239.04' (=292.92) |
| | A5 | Decision with accurate figures and valid reason | 1 | F | e.g. Village hall is cheapest **AND** (£)326(.18) **and** (£)352(.88) **OR** Princess party is less work and within budget (£) 27(.181..) **and** (£) 29(.40..) **and** (£)33.33(..) |
| **Total marks for question** | | | **6** | | |

Bicycle Park May 17

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| | R1 | Process to work with dimensions | 1 or | H | 18 ÷ 2 (=9) **or** 4.8 ÷ 0.6 (=8) **or** 18 ÷ 0.6 (=30) **or** 4.8 ÷ 2 (=2.4) **OR**<br>0.6 × 2 (=1.2 $m^2$) **or** 18 × 4.8 (=86.4)<br>May be seen on a diagram |
| | A4 | Process to find number of bicycles | 2 or | HJ | '9' × '8' (=72) **or** '30' × '2' (=60) **or** '30' × '2.4' (=72) **OR**<br>'86.4' ÷ '1.2' (=72) **OR**<br>'1.2' × 90 (=108) **and** 18 × 4.8 (=86.4) **OR**<br>Full arrangement seen on a diagram |
| | I7 | Correct conclusion with accurate figure | 3 | HJK | No **AND** 72 (bicycles) **OR**<br>No **AND** 108 ($m^2$) **and** 86.4 ($m^2$) |
| | A5 | Valid check | 1 | L | Valid check E.g. one reverse process or alternative method |
| **Total marks for question** | | | **4** | | |

Exam Qs Additional Booklet

Q1.

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| | R1 | Process to work with gap | 1 | N | e.g. 32 – 3 (=29) **or** '201' – 3 (=198) |
| | A4 | Process to find perimeter or total length of fencing or finds the number or length of rolls required | 1 or | P | 68.5 + 32 + 68.5 + '29' (=198) **OR**<br>4 × 50(=200) **OR**<br>200 − 68.5 − 68.5 − 32 − '29' (=2) **OR**<br>68.5 + 32 + 68.5 + 32 (=201) **OR**<br>(68.5 + 32 + 68.5 + '29') ÷ 4 (=49.5) **OR**<br>'198' ÷ 50(=3.96) |
| | I6 | Correct decision with accurate figures | 2 | PQ | Yes **AND** 198(m) **and** 200(m) **OR**<br>Yes **AND** 2(m left) **OR**<br>Yes **AND** 49.5(m) **OR**<br>Yes **AND** 3.9(6) (rolls) |
| | A5 | Valid check | 1 | R | Valid check, e.g. approximation, alternative method or reverse process |
| **Total marks for question** | | | **4** | | |

**Q2.**

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| | R2 | Starts to work with Grillo payments | 1 or | M | 24 × 249.99 (=5999.76) |
| | A4 | Works with Grillo payments and delivery | 2 | MN | '5999.76' + 180 (=6179.76) |
| | R3 | Starts to work with Oven World payments | 1 or | P | 18 × 185.99 (=3347.82) **OR** 2498.99 + 120 (=2618.99) |
| | A4 | Works with Oven World payments and delivery | 2 or | PQ | '3347.82' + 2498.99 + 120 (=5966.81) **OR** '2618.99' + 18 × 185.99 (=5966.81) |
| | I6 | Valid decision with accurate figures | 3 | PQR | Oven World **AND** (£)6179.76 **and** (£)5966.81<br>**NB** Allow comparison of truncated or rounded figures as long as supported by accurate working<br>**NB** If 250 and 2499/2500 and 186 are used throughout all marks can be awarded |
| **Total marks for question is** | | | | **5** | |

**Q3.**

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| (a) | R2 | Starts process to work with instructions | 1 or | H | 2.75 + 1.25 + 1.95 + 2.25 + 1 + 1.45 (=10.65) **OR** 140 ÷ 80 (=1.75) |
| | A4 | Continues to work with instructions | 2 or | HJ | '10.65' ÷ 6 (=1.775) **OR** '1.75' × 6 (=10.5) **OR** '10.65' × 80 (=852) **OR** 140 × 6 (=840) |
| | R3 | Completes process to work with instructions | 3 | HJK | '1.775' × 80 (=142) **OR** 2.75 + 1.25 + 1.95 + 2.25 + 1 + 1.45 (=10.65) **and** '1.75' × 6 (=10.5) **OR** '10.65' ÷ 6 (=1.775) **and** 140 ÷ 80 (=1.75) **OR** '10.65' × 80 (=852) **and** 140 × 6 (=840) |
| | I6 | Correct decision with accurate figures | 1 | L | Yes **and** (£)[141.6, 142.4] **OR** Yes **and** (£)10.5 **and** (£)10.65 **OR** Yes **and** (£)[1.77, 1.78] **and** (£)1.75 **OR** Yes **and** (£) 852 **and** (£) 840 |

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| (b) | R2 | Starts process to find amount | 1 or | M | 400 + 100 + 250 + 50 (=800) **OR**<br>600 ÷ 4 (=150) **OR**<br>400 ÷ 5 (=80) **OR** 100 ÷ 5 (=20) **OR**<br>250 ÷ 5 (=50) **OR** 50 ÷ 5 (=10) |
| | A4 | Continues process | 2 or | MN | '800' ÷ 5 (=160) **OR** '150' × 5 (=750) **OR**<br>'80' × 4 (=320) oe **OR**<br>'20' × 4 (=80) oe **OR**<br>'50' × 4 (=200) oe **OR**<br>'10' × 4 (=40) oe **OR**<br>'80' + '20' + '50' + '10'(=160) |
| | A4 | Completes process | 3 | MNP | '160' × 4 (=640) oe **OR**<br>'150' × 5 (=750) **and** 400 + 100 + 250 + 50 (=800) **OR**<br>'80' + '20' + '50' + '10' (=160) **and** 600 ÷ 4 (=150) |
| | I6 | Correct decision with accurate figures | 1 | Q | No **and** (£)640 **OR**<br>No **and** (£)750 **and** (£)800 **OR**<br>No **and** (£)160 **and** (£)150 |
| **Total marks for question** | | | **8** | | |

**Q4.**

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| **(a)** | I6 | Engages with train times or relevant time periods | 1 or | K | Selects any train to Naples departing after 09:25 **AND** any train to Rome departing at least 5.5 hours after arrival in Naples **or** arriving before 19.35 (trains can be identified by ticket prices) **OR** Identifies two of: 09.25 as earliest departure 5.5 hours the total time in Naples 19.35 as latest arrival time in Rome **OR** Selects 10.10 train to Naples **OR** Selects 17.55 train to Rome |
| | R2 | Full process to find time constraints | 2 or | KL | shows full build up method but disregards ticket prices e.g. 9.00, 9.25, 9.28, 11.32, 15.32, 17.02, 17.10, 18.20, 18.45 (allow some missing/combined stages) **OR** Selects 10:10 train **and** 11:20 + 5.5 hrs =16:50 **OR** Selects 17:55 train **and** 17:55 – 5.5 hrs = 12:25 **OR** e.g. selects 10:10 train **and** `selects 18:30 train (omits 25 min walk to hotel) |
| | I6 | Correct answer | 3 | KLM | Selects 10:10 train to Naples **and** 17:55 train to Rome No incorrect working should be seen |

**Q5.**

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| | R2 | Begins the process to find total cost or cost per child | 1 or | A | 3 × 30(=90) **OR**<br>6.80 × 12(=81.6) **OR**<br>2.29 ÷ 6 (=0.381..) **OR**<br>400 ÷ 12(=33.33..) **OR**<br>150 ÷ 12 (=12.5)<br>Allow 2.29 × 12 (=27.48) |
| | A4 | Develops solution | 2 or | AB | 2.29 × 12 ÷ 6 (=4.58) **OR**<br>(3 × 30) ÷ 12 (=7.5) **OR**<br>Adds at least 3 costs together **OR**<br>Subtracts at least 3 costs from (£)400 **or** from (£)33.33..<br>Allow use of '27.48' |
| | I6 | Full process to find the total cost at village hall or cost per child | 3 | ABC | '90' + 150 + '81.6' + '4.58' (=326.18) **OR**<br>'7.5' + '12.5' + 6.8 + '0.381..' (=27.181..) **OR**<br>400 − '90' − 150 − '81.6' − '4.58'(=73.82) **OR**<br>'33.33..' – '7.5' – '12.5' – 6.8 – '0.381..' (=6.15..)<br>Allow use of '27.48' (leads to (£)349.08) |
| | R3 | Process to find total of lunch at princess party or cost per child | 1 or | D | 4.49 × 12 (=53.88) **OR**<br>299 ÷ 12 (=24.91..)<br>Allow 299 ÷ 15 (=9.93) × 12(=239.04) |
| | I6 | Full process to find total cost or cost per child at princess party | 2 | DE | '53.88' + 299 (=352.88) **OR**<br>'24.91' + 4.49 (=29.4066..) **OR**<br>400 – '53.88' − 299(=47.12) **OR**<br>'33.33..' – 4.49 − '24.91..'(=3.92..)<br>Allow '53.88' + '239.04' (=292.92) |
| | A5 | Decision with accurate figures and valid reason | 1 | F | e.g. Village hall is cheapest **AND** (£)326(.18) **and** (£)352(.88) **OR** Princess party is less work and within budget (£) 27(.181..) **and** (£) 29(.40..) **and** (£)33.33(..) |
| **Total marks for question** | | | **6** | | |

**Q6.**

| | | | | | |
|---|---|---|---|---|---|
| **b** | R1 | Process to find total length of ribbon or number of pieces per roll | 1 or | L | 8 × 20 (= 160) **OR**<br>8 × 30 (=240) **OR**<br>8 × 20 × 30 (=4800) **OR**<br>'0.3' ÷ 25 (=0.012) **OR**<br>'2500' ÷ 30(=83.3..) **OR**<br>25 ÷ 0.3(=83.3..)<br>build up methods may be seen |
| | A4 | Full process to find number of rolls | 2 or | LM | '0.012' × 8 × 20 (=1.92) **OR**<br>'160' × '0.3' (=48) **OR**<br>'160' × '0.3' ÷ 25 (=1.92) **OR**<br>'240'× 20 ÷ 100 (=48) **OR**<br>'4800' ÷ '2500'(=1.92) **OR**<br>20 × 8 ÷ '83'(=1.927...) **OR**<br>20 × 8 and '83'(=2) from 83.3 rounded |
| | I6 | Uses consistent units to find correct number of rolls | 3 | LMN | 2 (rolls) **and** 1.92 or 48 or 1.927... **OR**<br>2 (rolls) **and** 4800 **and** 5000 |
| **Total marks for question** | | | **7** | | |

**Q7.**

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| (a) | R3 | Works with consistent units | 1 | A | Uses 0.75(m) in calculation **OR**<br>420, 240, 650 and 450 (cm) |
| | A4 | Process to substitute into formulae or works backwards from liner dimensions to find any pond dimension | 1 or | B | 2 × '0.75' + 4.2 (=5.7) **and** 2 × '0.75' + 2.4 (=3.9) **OR**<br>2 × 75 + '420' (=570) **and** 2 × 75 + '240' (=390) (units may not be consistent) **OR**<br>E.g. (5 – 4.2) ÷ 2 (=0.4) oe **and** (5 – 2.4) ÷ 2 oe (=1.3) **OR**<br>(5.5 – 4.2) ÷ 2 (=0.65) oe **and** (4 – 2.4) ÷ 2 oe (=0.8) **OR**<br>(6.5 – 4.2) ÷ 2 (=1.15) oe **and** (4.5 – 2.4) ÷ 2 oe (=1.05) |
| | I7 | Correct decision and accurate figures in consistent units | 2 | BC | C **and** 5.7 (m) oe **and** 3.9 (m) oe **OR**<br>C **and** 0.75 (m) oe **and** 1.15 (m) oe **and** 1.05 (m) oe |
| (b) | R1 | Process to work with discount | 1 or | D | 240.99 ÷ 5 (=48.198) oe **OR**<br>Full process to reduce price of any item(s) by $\frac{1}{5}$ |
| | A4 | Complete calculation to find cost after discount | 2 or | DE | (240.99 – '48.198') + 74.98 + 79.99 + (2 × 18.98) (= 385.722)<br>Allow one error or omission of full price items |
| | I6 | Correct answer from accurate figures in correct money notation | 3 | DEF | £385.72 **or** £385.73 (in correct money notation) |
| | A5 | Valid check of their calculation | 1 | G | Reverse or alternative method or estimation for any of their calculations |

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| (c) | R2 | Process to work with conversion | 1 or | H | 5900 ÷ 4.5 (=1311.1.. gallons) **OR**<br>10 × 4.5 (=45 litres) **OR**<br>2 × 60 (=120) |
| | R3 | Process to work with rate of flow or capacity | 2 or | HJ | '1311.1..' ÷ 10 (=131.11.. mins) **OR**<br>5900 ÷ '45' (=131.11.. mins) **OR**<br>'120' × 10 (=1200 gallons) |
| | A4 | Process to find figures to compare | 3 or | HJK | '1311.1..' ÷ 10 (=131.11.. mins) **and** 2 × 60 (=120 mins) **OR**<br>'131.11..' ÷ 60 (=2.185.. hrs) **OR**<br>2 hours 11(.1..) minutes **OR**<br>'1200' × 4.5 (=5400) **OR**<br>'120' × 10 (=1200 gallons) **and** 5900 ÷ 4.5 (=1311.1.. gallons) |
| | I7 | Conclusion and accurate figures | 4 | HJKL | E.g.<br>Yes/No **and** [131, 131.11..] (mins) **and** 120 (mins) **OR**<br>Yes/No **and** only 11 mins more (than 2 hours) **OR**<br>Yes/No **and** 2.1(85..) (hours) **OR**<br>No **and** 5400 (litres) **OR**<br>No **and** 1200 (gallons) **and** 1311.1.. (gallons) |
| **Total marks for question** | | | **11** | | |

**Q8.**

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| a | R2 | Begins to process given information | 1 or | A | 14 00 – 4 hours (= 10 00) **OR**<br>Adds 4 hours to any London departure time **OR**<br>Method to work out arrival time in Tenerife of any flight **OR**<br>06 45 or 07 35 or A101 or A102 **OR**<br>16 25 or 18 10 or 18 30 or 19 35 or 21 50 or<br>B203 or B204 or B205 or B206 or B207 **OR**<br>Flight out and flight back from/to same London airport |
| | I7 | Appropriate pair of flights | 2 | AB | 06 45 or A101 **and** 16 25 or B203 **OR**<br>07 35 or A102 **and** 18 30 or B205 **OR**<br>07 35 or A102 **and** 21 50 or B207<br>**If more than one solution offered - must be correctly paired** |
| b | R3 | Changes to consistent currencies | 1 or | C | 960 ÷ 1.17 (=820.51...) **OR**<br>850 × 1.17 (=994.5) **OR**<br>25 × 1.17 (=29.25) |
| | A4 | Finds total price | 2 or | CD | '820.51...' + 25 (=845.51..) **OR**<br>(960 + '29.25') ÷ 1.17 (=845.51..) **OR**<br>'994.5' – '29.25' (=965.25) **OR**<br>(850 – 25) × 1.17 (=965.25) **OR**<br>960 + '29.25'(=989.25) **and**<br>850×1.17(=994.5) |
| | I6 | Accurate figures | 3 | CDE | (£)845.51(28...) **or** (£)845.52 **OR**<br>(€)965.25 **OR**<br>(€)989.25 and (€)994.5(0) **OR**<br>(£)4.49 **or** (€)5.25 (left over)<br>**NB: Allow functionally and correct rounded solutions** |
| | I7 | Decision ft from their figures | 1 | F | Decision ft from their figures provided at least CD scored |
| **Total marks for question** | | | **6** | | |

**Q9.**

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| (a) | R2 | Process to work with percentages | 1 or | A | 24 ÷100× 135 (=32.4) oe **OR**<br>8 ÷100 × 135 (= (10.8) oe **OR**<br>8 ÷100 × (135 + 25) (= (12.8) |
| | A4 | Process to find figures to compare | 2 or | AB | 24 ÷ 100 × 135 (=32.4) oe **and** 8 ÷ 100 × 135 (=10.8) oe **OR**<br>25 + '10.8' (= 35.8) **OR**<br>'32.4' – '10.8'(=21.6) **OR**<br>(24 – 8) ÷ 100 × 135(=21.6) oe |
| | I7 | Correct decision from correct figures | 3 | ABC | Yes **AND** (£)35.8(0) **AND** (£)32.4(0) **OR**<br>Yes **AND** (£)3.4(0) (difference) **OR**<br>Yes **AND** (£)21.6(0) (compared with £25) **OR**<br>Yes **AND** (£)170.8(0) **AND** (£)167.4(0) |

| | | | | | |
|---|---|---|---|---|---|
| (b) | R2 | Adds 2 fractions or 2 decimal fractions correctly | 1 or | D | E.g 8 ½ + 3 ½ = 12 **OR**<br>2.66 + 5.33 =7.99 |
| | I6 | Finds correct total distance for a complete route | 2 | DE | E.g. H, M, J, F, K, H **and** 25.25(miles) oe **OR**<br>H, K, M, J, F, H AND 29 (miles) **OR**<br>H, M, K, F, J, F, H AND 28 $^{11}/_{12}$ (miles) **OR**<br>H, F, K, M, J, F, H AND 31 $^{5}/_{6}$ (miles) |
| | A5 | Writes a comment to evaluate route | 1 | F | E.g. My route visits each agent only once<br>I think my route is shortest.<br>I do not have to backtrack on my route<br>My route visits all of the agents but may not be shortest. |
| **Total marks for question** | | | **6** | | |

**Q10.**

| Question | Skills Standard | Process | Mark | Mark Grid | Evidence |
|---|---|---|---|---|---|
| (a) | R2 | Process to convert kg to pounds or to find cooking time per kg | 1 or | L | 3.5 × 2.2 (=7.7) **OR**<br>25 × 2.2(=55) |
| | A4 | Full process to find total cooking time | 2 or | LM | '7.7' × 25 + 20(= 212.5) **OR**<br>'55' × 3.5 + 20(=212.5)<br>Allow 8 for '7.7' |
| | I6 | Accurate answer with correct units | 3 | LMN | [212, 213] min(utes) NB isw **OR**<br>3 h(ours) **and** 32 min(utes) **OR**<br>3 h(ours) **and** 33 min(utes) **OR**<br>3 h(ours) **and** 30 min(utes) oe supported by calculations |
| (b) | R1 | Works with dimensions or volumes<br>. | 1 | P | 33 ÷ 6.5 (=5.07…) oe **OR** 36 ÷ 18 (=2) oe **OR**<br>70 ÷ 22 (=3.18…) oe **OR** 36 ÷ 22 (=1.63…) oe **OR** 70 ÷ 18 (=3.8…) oe **OR**<br>2 of: 5, 2 or 3 indicated on diagram **OR**<br>5, 1 and 3 indicated on diagram **OR**<br>33 × 36 × 70 (=83160) **OR** 6.5 × 18 × 22 (=2574) **OR**<br>Finds 3 factors of 24 e.g. 4 and 2 and 3 **or** 2 and 2 and 6 |
| | A4 | Full process to find the total number of boxes that can be placed correctly into the crate. | 2 | PQ | '5' × '2' × '3' (=30) **OR**<br>'5' × '1' × '3'(=15) **OR**<br>Tests factors of 24 against all dimensions (may be seen on the diagram) |
| | I7 | Correct conclusion with accurate figures | 3 | PQR | No **and** 30 (boxes) **or**<br>No **and** 5 × 2 × 3 ≠ 24 oe |
| **Total marks for question** | | | **6** | | |