| Q | Working | ng Answer Mark | | ark | Notes |
|-------|---|----------------|---|-----|--|
| 1 (a) | $\frac{12}{3}(=3)^{\text{or}}\frac{4}{12}(=3)^{\text{or}}\frac{BC}{4} = \frac{16.5}{12}$ or $BC \div 16.5 = 4 \div 12$ or $(BC =)$ $16.5 \div \frac{12}{4}$ oe | | 2 | M1 | correct scale factor (given as 3 ora fraction or a ratio) or correct equation using <i>BC</i> or a correct expression for <i>BC</i> (award for SF even if not used) |
| | | 5.5 | | A1 | |
| (b) | | 3 <i>x</i> | 1 | B1 | allow $3 \times x$ or $x \times 3$ ft their "3" in (a) |
| | | | | | Total 3 marks |
| 2 | eg sin 65 sin 65 = $\frac{AB}{8A}$ or $\frac{AB}{\sin 65} = \frac{8.4}{\sin 90}$ | | 3 | M1 | for setting up a trig equation in <i>AB</i> |

| | | | | Total 3 marks |
|---|---|------|---|---|
| | | 7.61 | | A1 accept 7.61 – 7.613 |
| | eg (AB =) 8.4sin65 or $(AB =) \frac{8.4 \sin 65}{\sin 90}$ | | | M1 for a complete method |
| 2 | eg sin 65 sin 65 = $\frac{AB}{8.4}$ or $\frac{AB}{\sin 65} = \frac{8.4}{\sin 90}$ | | 3 | M1 for setting up a trig equation in AB |

| Practice Tests Set 19 - | - Paper 2H-3H mark scheme. | performance data and | suggested grade boundaries |
|-------------------------|----------------------------|----------------------|----------------------------|
| | | | |

| Q | Working | Answer | | Mark | Notes |
|----------------------|----------|--|---|------------------------|--|
| | | | | | |
| 3 (a) | | $\frac{5}{12} \frac{8}{15} \frac{7}{15} \frac{8}{15} \frac{7}{15}$ | 2 | $\frac{5}{12}$ (B1 for | all correct probabilities $,\frac{8}{15},\frac{7}{15},\frac{8}{15},\frac{7}{15},\frac{8}{15},\frac{7}{15},\frac{8}{15},\frac{7}{15},\frac{8}{15},\frac{7}{15},\frac{8}{15},\frac{7}{15},\frac{8}{12}$ eg for $\frac{5}{12}$ accept 0.41(666) or 0.42, for $\frac{8}{15}$ accept 0.53(333) or 0.53, |
| (b) 7 | 0 | | 2 | M1 ft th | for $\frac{7}{15}$ accept 0.46(666) or 0.47 neir tree diagram |
| (b) $\frac{7}{12}$ × | <u> </u> | | 2 | ivii itu | |
| | | $\frac{14}{45}$ | | A1 oe | eg $\frac{56}{180}$ or 0.31(111) or 31(.111)% |
| | | | | | Total 4 marks |

| Q | Working | Answer | Mark | Notes |
|---|---------|--------|------|-------|

| 4 | eg $\frac{2}{5} \times 150 (= 60)$ or eg $0.32 \times 150 (= 48)$ | | 5 | M1 for finding the number of small mugs or number of medium mugs |
|---|--|----|---|---|
| | eg 150 – "60" – "48" (= 42) | | | M1 for finding the number of large mugs |
| | eg "60" × 8.50 + "48"× 11.20 + "42" × 14.20(= 1644) or 510 + 537.6 + 596.4 (= 1644) | | | M1 for working out the income, Profit = 504 implies M3 |
| | eg $\frac{"1644"-1140}{1140} \times 100 \text{ or } \frac{"1644"-1140}{1140} \times 100-100$ | | | M1 (indep) for a complete method to |
| | | | | find the percentage profit for their total income (must be greater than 1140) |
| | | | | An answer of 144 implies M4 |
| | | 44 | | A1 44 or better (44.2105) |
| | | | | Total 5 marks |

| Q | Vorking Answer | Mark Notes | |
|---|----------------|------------|--|
|---|----------------|------------|--|

| 5 | 2×2×7 or 2×3×7 or 3 ² ×7 oe condone 1's in factor tree or showing at least 5 correct multiples across at least 2 lists (excluding 28, 42, 63) (28) 56, 84, 112, 140, 168, 196, 224, 252 (42) 84, 126, 168, 210, 252 (63) 126, 189, 252 | | 3 | M1 | accept prime factors seen in factor tree or correct position in Venn diagram for at least one of the numbers given. |
|-------|--|-----|---|----------|--|
| | $2 \times 2 \times 7$ and $2 \times 3 \times 7$ and $3 \times 3 \times 7$ or showing at least 9 correct multiples across all 3 lists (excluding 28, 42, 63) | | | M1 | accept prime factors seen in factor tree or correct position in Venn diagram for all 3 of the numbers given. |
| | | 252 | | A1 | or $2^2 \times 3^2 \times 7$ oe Dep on M1 |
| 5 alt | $\begin{array}{ c c c c c c c c }\hline 7 & 28 & 42 & 63 \\ \hline 2 & 4 & 6 & 9 \\ \hline 3 & 2 & 3 & 9 \\ \hline 2 & 1 & 3 \\ \hline \end{array}$ | | 3 | M1 M1 | For one correct row in table eg division by 7 gives 4, 6, 9 Fully correct table – need only go as far as top table – we want to see prime factors along the side or prime factors along the sides and bottom (condone 1's) |
| | | 252 | | A1 | or $2^3 \times 3^2 \times 7$ oe Dep on M1 |
| | | | | | Total 3 marks |

| Q | Working Answer | | er Mark | Notes | |
|--------------|-----------------------|---|---------|--|--|
| 6 (a) | 7, 33, 57, 71, 78, 80 | 1 | B1 | | |
| (b) | | 2 | B2 | joined with curve If not B2 then B1 error) for 5 or 6 of their with curve or line OR for 5 or 6 poi not joined OR for consistently within | (ft from a table with only one arithmetic points at ends of intervals and joined segments nts plotted correct at ends of intervals 5 or 6 points from table plotted n each interval (not at upper ends of correct heights and joined with smooth |
| (c) | 21-24 | 1 | B1ft | | e or ft their cf curve |
| (d) | | 2 | | ft their cf graph | he numerator of a fraction |
| | 8 | | Alft | oe, ft their cf grap | bh |
| | 80 | | | fractional answer denominator | s must have an integer numerator and |
| | | | | | Total 6 mark |

| Q | Working | Answer | Mark | Notes |
|---|---------|--------|------|-------|
|---|---------|--------|------|-------|

| 7 | $28 \div 0.35 (= 80)$ oe eg $(28 \div 7) \times 20 (= 80)$ | | 5 | M1 | indep for calculating total number of sweets |
|-------|--|----|---|----|---|
| | 1 - (0.2 + 0.35) = 0.45) oe | | | M1 | or for a correct equation for missing values eg |
| | or $(0.2 + 0.35) \times "80" (= 44)$ or $28 + "16" (= 44)$ | | | | x + 2x + 0.2 + 0.35 = 1 oe |
| | | | | | (can be implied by 2 probabilities that total |
| | | | | | 0.45 in table if not contradicted in working |
| | | | | | space) |
| | " 0.45 " \div 3 (= 0.15) oe | | | M1 | (or 0.15 or 0.3 seen in table – either order) |
| | or "0.45" × "80" (= 36) | | | | |
| | or "80" – "44" (= 36) | | | | |
| | " $80" \times 0.15"$ or " $80" \times 0.3" (= 24)$ | | | M1 | A correct calculation for the number of white |
| | or "36" \div 3 or "36" \div ³ (= 24) | | | | sweets or the number of pink sweets |
| | 2 | | | | |
| | | 12 | | A1 | |
| 7 alt | 1 - (0.2 + 0.35) = 0.45 or | | 5 | M1 | or for a correct equation for missing values eg |
| | 100(%) - 20(%) - 35(%) = 45(%) | | | | x + 2x + 0.2 + 0.35 = 1 oe |
| | "0.45" ÷ 3 (= 0.15) | | | M1 | (or 0.15 or 0.3 seen in table – either order) |
| | $45(\%) \div 3 (= 15(\%))$ | | | | |
| | $\frac{n}{28} = \frac{0.15}{0.35}$ or $\left(\frac{n}{15}\right) = \frac{28}{0.35}$ oe or | | | M1 | for using proportion with an expression for n |
| | $\frac{1}{28} = \frac{1}{0.35}$ or $(\frac{1}{15} =)\frac{1}{0.35}$ or $\frac{1}{0.35}$ | | | | white sweets or |
| | | | | | finding 5% oe to enable calculation to 15% |
| | $\frac{n}{28} = \frac{0.3}{0.35} \text{ or } \left(\frac{n}{0.3}\right) = \frac{28}{0.35} \text{ or } 35\% = 28 \text{ so } 5\% = 4$ | | | | |
| | | | | M1 | a coloulation using propertion that would load |
| | $(n=) 28 \times \frac{0.15}{0.35}$ or $(n=) 0.15 \times \frac{28}{0.35}$ or $15\% = 3 \times 4$ | | | M1 | a calculation using proportion that would lead to finding their n or $2n$ |
| | 0.35 0.35 | | | | to minding them n of $2n$ |
| | or $28 \times \frac{0.3}{0.35}$ or $0.3 \times \frac{28}{0.35}$ or $30\% = 6 \times 4 \ (= 24)$ | | | | |
| | $0.20 \times \frac{0.35}{0.35}$ of $0.3 \times \frac{0.35}{0.35}$ of 30.70×0.44 (= 24) | | | | |
| | | | | | |
| | | 12 | | A1 | |
| | | | | | Total 5 marks |

| Q Working | Answer | Mark | Notes |
|-----------|--------|------|-------|
|-----------|--------|------|-------|

| 8 | $196 \div (9-5) (= 49)$ oe | | 3 | M1 |
|---|----------------------------|-----|---|---|
| | 3 × "49" | | | M1 |
| | | 147 | | A1 SCB1 for an answer from $34.5 - 34.6$ or an answer of 42 |
| | | | | Total 3 marks |

| 9 (a | | | (5), 8, 8, 20, <i>x</i> , (24) | 3 | B3 (B2 (B1 | for (5), 8, 8, 20, x , (24) where $x = 21$ or 22 or 23 for (5), 8, 8, 20, x , (24) where x is blank or any value other than 21, 22 or 23) for a list with a median of 14 or a mode of 8 or the 3 rd and 4 th cards having a sum of 28 (ignoring other cards)) |
|-------------|---|--|--------------------------------|---|------------------|--|
| (1 |) | eg 5 × 21 (= 105) or 6 × 23 (= 138) | | 3 | M1 | |
| | | eg 6 × 23 – 5 × 21 | |] | M1 | |
| | | | 33 |] | A1 | |
| | | | | | | Total 6 marks |

| Q | Working | Answer | Mark | Notes |
|---|---------|--------|------|-------|

| 10 (a) | (231 776 - 228 314) ÷ 228 314 or 3462 ÷ 228 314 (= 0.01516) or 231 776 ÷ 228 314 (= 1.01516) | | 2 | M1 | |
|---------------|--|---------|---|----|--|
| | | 1.5 | | A1 | for 1.5 or better (1.516) (be careful: $3462 \div 231\ 776 \times 100 = 1.49$) |
| (b) | 231 776 ÷ 1.077 oe | | 3 | M2 | If not M2 then M1 for $100 + 7.7$ (=107.7) or 1 + 0.077(=1.077) seen but not $1 + 7.7\%$ |
| | | 215 000 | | A1 | for 215 000 or better (215 205.19) (if no marks awarded SCB1 for 212000 or better (211990.71)) |
| | | | | | Total 5 marks |

| 11 | $(0 \times 13) + 1 \times 17 + 2 \times 8 + 3x + 4 \times 11 \text{ or}$ (0+) 17 + 16 + 3x + 44 (= 77 + 3x) | | M1 | at least 3 correct products with intention to add. eg award for 77 seen as this is sum of 3 products |
|----|--|----|----|---|
| | (13+17+8+x+11) oe eg 49 + x or $98+2x$ | | M1 | Sum for total frequency or (frequency × 2) |
| | $\frac{"77+3x"}{"49+x"} = 2 \text{ oe e.g. } "77+3x" = 2("49+x")$ | | M1 | for use of mean in valid equation (ft their values for sum of products and their total frequency if M2 awarded previously) |
| | | 21 | Al | |
| | | | | Total 4 marks |

| Q Working | Answer M | Mark Note | es |
|-----------|----------|-----------|----|
|-----------|----------|-----------|----|

| 12 | eg 200000 × 0.018 (= 3600) or 200000 × 1.018 (= 203600) | | 3 | | method to find 1.8% or 1.8% of 200000 |
|----|--|-----|---|-------|---|
| | eg 209 754 ÷ "203 600" (= 1.015000) | | | mu | a complete method to find the altiplier for the compound erest for 2 nd and 3 rd year |
| | | 1.5 | | A1 or | better eg 1.500045971 |
| | | | | | Total 3 marks |

| 13 | eg 40 = $\frac{k}{1.5^2}$ or $k = 90$ or $\frac{C^2}{1.5^2} = \frac{40}{1000}$ (0.04) | | 3 | M1 |
|----|--|-----|---|--|
| | or $(C^2 =)1.5^2 \times \frac{40}{1000} (= 0.09)$ or $\frac{1.5^2}{C^2} = \frac{1000}{40} (= 25)$ or $(C^2 =)1.5^2 \div \frac{1000}{40} (= 0.09)$ | | | |
| | or $(C^2 =)1.5^2 \div \frac{1000}{40} (= 0.09)$ | | | M1 |
| | eg (C=) $\sqrt{\frac{"90"}{1000}}$ oe or $(C=)\sqrt{1.5^2 \times "0.04"}$ | | | |
| | or $(C =)\sqrt{1.5^2 \div "25"}$ or $(C =)\sqrt{"0.09"}$ | | | |
| | | 0.3 | | A1 oe, allow ± 0.3 oe or -0.3 oe |
| | | | | Total 3 marks |

| Q Working Answer Mark Notes |
|-----------------------------|
|-----------------------------|

| 14 | 3.445, 3.455, 1.85, 1.95, 4.5, 5.5 | | 3 | B1 any one bound |
|----|--------------------------------------|-----|---|--|
| | $(A =) \ 3.445 - \frac{1.95^2}{4.5}$ | | | M1 $A = LB_{w} - \frac{(UB_{x})^{2}}{LB_{y}} \text{ where } 3.445 \le LB_{w} < 3.45,$ $1.9 < UB_{x} \le 1.95, 4.5 \le LB_{y} < 5$ |
| | | 2.6 | | A1 oe, (dep on M1), from correct figures (3.445, 1.95, 4.5) |
| | | | | Total 3 marks |

| 15 | eg $\frac{55}{360} \times \pi \times d = 5$ or $\frac{55}{360} \times \pi \times 2 \times r = 5$ oe OR $\frac{360}{55} \times 5 (= 32.7)$ oe | | 4 | M1 | for a correct equation for the diameter or radius OR for a method to find the circumference of the circle |
|----|--|------|---|----|---|
| | eg $d = \frac{5 \times 360}{55\pi} (=10.4)$ or $r = \frac{5 \times 360}{55 \times 2 \times \pi} (=5.2)$ OR $d = \frac{"37.2"}{\pi} (=10.4)$ or $r = \frac{"37.2"}{2 \times \pi} (=5.2)$ | | | M1 | for a method to work out the diameter or radius |
| | (area =) eg $\pi \times \left(\frac{"10.4"}{2}\right)^2$ or $\pi \times "5.2"^2$ | | - | M1 | |
| | | 85.2 | | A1 | allow 84.9 – 85.4 |
| | | | | | Total 4 marks |

| Q | Working | Answer | Mark | Notes |
|----|---|--------|------|--|
| 16 | $\frac{12 \times \tan 5 \ (=1.05) \ \text{or}}{\tan 5 = \frac{'y'}{12} \ \text{or} \ 12\tan 5 \ \text{or} \ \tan 85 = \frac{12}{'y'} \ \text{or} \ \frac{12}{\tan 85}}{\frac{y}{\sin 5} = \frac{12}{\sin 85} \ \text{oe} \ \text{or} \ (y=) \ 1.04986 \ \text{oe}}$ | | 3 | M1 oe correct expression using tan or the sine rule or $\sqrt{\left(\frac{12}{\cos 5}\right)^2 - 12^2}$ (= 1.04986) |
| | (AB =) 2.6 + "1.05" oe | | | M1 |
| | | 3.65 | | A1 allow awrt 3.65 |
| | | | | Total 3 mark |

| Q Working Answer | Mark | Notes |
|------------------|------|-------|

| 17 | (2x+3)(x-1) < 75 | | 5 B1 | For writing the correct inequality sign with a correct calculation or correct value – this could be initially or saying that $x < 6$ at the end |
|----|--|--------------|------|---|
| | $2x^2 + x - 78 < 0$ | | M1 | rearranged to form correct quadratic < 0 (allow = 0 or other incorrect inequality sign) oe |
| | $(x-6)(2x+13) (< \underline{0})$ or $x = \frac{\sqrt[-1\pm]{(1)^2 - (4 \times 2 \times -78)}}{2 \times 2}$ or $2\left(x+\frac{1}{4}\right)^2 - 2\left(\frac{1}{4}\right)^2 - 78 = 0$ | | M1 | first step to find critical values from the correct quadratic |
| | | <i>x</i> = 6 | A1 | x = 6 identified as critical value, ignore -6.5 if given |
| | | 1 < x < 6 | Al | correct inequality |
| | | | | Total 5 marks |

| Q | Working | Answer | Mark | Notes |
|----|---|--------|------|---|
| 18 | $DFE = 42^{\circ} \text{ or } DOG = 180 - 2 \times 42 \ (= 96)$ or $EFG = 90^{\circ} \text{ or } EDG = 90^{\circ}$ or $DEG = 90 - 42 \ (= 48)$ | | 4 | M1 used or seen in diagram (must be clearly labelled if not in diagram) |
| | | 48° | | A1 award 2 marks for 48 unless from an incorrect method |
| | angles in same segment or angles from same chord or angles at the circumference subtended from the same arc of the circle angles in a semicircle are 90° angles in a semicircle are 90° angle subtended by diameter is 90° angle at centre twice angle at circumference oe angles in a triangle add to 180 angles in a triangle add to 180 | | | B2 Dep on a fully correct method to find angle <i>DFG</i> for a full set of reasons relevant to their method. B1 dep on M1 for at least one relevant circle theorem. |
| | | | | Total 4 mark |

| Q | Working | Answer N | | Mark | | Notes | | |
|----|--|--------------------|---------------|------|----|--|--|--|
| 19 | at least two of 3, 8, 5, 2 seen | | | 4 | M1 | At least 2 frequencies for other bars | | |
| | or at least two correct frequency densities from 0.6, 0.8, 1, or | 1.2, 0.4 | | | | or scale on FD axis | | |
| | eg one cm on FD axis = 0.25 | | | | | | | |
| | or eg top of FD axis labelled 2 | | | | | or eg 20 small squares represents 1 plant oe | | |
| | or eg 1 plant = 20 small squares | | | | | | | |
| | or total small squares in at least 2 bars (60, 160, 100, 240, | 40) | | | | | | |
| | or | , | | | | | | |
| | total number of 1 cm squares for at least 2 bars (2.4, 6.4) 3+8+5+12+2 (= 30) or | -, 4, 9.6, 1.6) oe | | | M1 | add up 5 frequencies (allow one error or | | |
| | adding the number of small squares in all bars: 60 + 160 + 100 + 240 + 40 (= 600) | | | | | adding the number of small squares in all bars | | |
| | or | | | | | (allow one error) | | |
| | adding the number of 1 cm squares in all bars: 2 4 + 6 4 + 4 + 0 6 + 16 (-24) | | | | | or | | |
| | 2.4 + 6.4 + 4 + 9.6 + 1.6 (= 24) oe | | | | | adding the number of 1 cm squares in all bars (allow one error) oe | | |
| | | | | | M1 | ft their figures dep on the previous | | |
| | $\frac{0.25 \times "12" + "2"}{"30"} \text{ or } \frac{0.25 \times "240" + "40"}{"600"} \text{ or } \frac{0.25 \times "9.6" + "24"}{"24"}$ | <u>1.6</u> oe | | | | M1 | | |
| | | | $\frac{1}{6}$ | | A1 | oe eg $\frac{100}{600}$ | | |
| | | | | | | allow 0.16(66) ie 2 dp truncated or rounded or better | | |
| | | | | | | Total 4 mar | | |

| Q | Working | Working Answer | | Mark | Notes |
|----|---|----------------|------|------------------------|--|
| 20 | eg 2 ³ : 3 ³ or 8 : 27 or 10 ³ : 15 ³ oe or $\left(\frac{15}{10}\right)^3$ | | 4 M1 | for a correct ratio or | scale factor for the volumes |
| | or 1.5 ³ (=3.375) or $\left(\frac{3}{2}\right)^3 \left(=\frac{27}{8}\right)$ or $\left(\frac{10}{15}\right)^3$ | | | | |
| | $\operatorname{or} \left(\frac{2}{3}\right)^3 \left(=\frac{8}{27}\right)$ | | | 6 | |
| | eg $\frac{1197}{27-8}$ or $\frac{1197}{15^3-10^3}$ | | M1 | | to find the value of 1 share of g up a correct equation using he volumes |
| | or $\frac{27}{8}V_A - V_A = 1197$ oe or $\frac{19}{8}V_A = 1197$ oe | | | | |
| | eg $8 \times \frac{1197}{27-8}$ or $10^3 \times \frac{1197}{15^3-10^3}$ or $\frac{8}{19} \times 1197$ oe | | M1 | complete correct me | thod to find volume of vase A |
| | | 504 | A1 | | |
| | | | 1 | | Total 4 marl |

| Q Working | Answer | Mark No | tes |
|-----------|--------|---------|-----|
|-----------|--------|---------|-----|

1.0

| | | Edexcel averages: scores of candidates who achieved grade: | | | | | | | | | | |
|----|---------------|--|-----------|-------|-------|-------|-------|-------|-------|-------|------|------|
| Qn | Mean score | Max score | Mean % | ALL | 9 | 8 | 7 | 6 | 5 | 4 | 3 | U |
| 1 | 2.50 | 3 | 83 | 2.50 | 2.97 | 2.91 | 2.88 | 2.73 | 2.23 | 1.58 | 0.82 | 0.00 |
| 2 | 2.28 | 3 | 76 | 2.28 | 2.92 | 2.84 | 2.81 | 2.44 | 1.98 | 0.94 | 0.25 | 0.02 |
| 3 | 3.06 | 4 | 77 | 3.06 | 3.94 | 3.76 | 3.56 | 3.09 | 2.39 | 1.67 | 0.94 | 0.00 |
| 4 | 3.61 | 5 | 72 | 3.61 | 4.71 | 4.46 | 4.24 | 3.77 | 2.75 | 1.87 | 0.96 | 0.15 |
| 5 | 2.31 | 3 | 77 | 2.31 | 2.84 | 2.62 | 2.51 | 2.20 | 1.91 | 1.76 | 1.36 | 0.65 |
| 6 | 4.21 | 6 | 70 | 4.21 | 5.77 | 5.36 | 4.90 | 3.99 | 3.36 | 1.89 | 0.92 | 0.00 |
| 7 | 3.37 | 5 | 67 | 3.37 | 4.69 | 4.33 | 3.95 | 3.41 | 2.42 | 1.36 | 0.48 | 0.04 |
| 8 | 1.97 | 3 | 66 | 1.97 | 2.83 | 2.60 | 2.22 | 1.94 | 1.32 | 0.81 | 0.41 | 0.00 |
| 9 | 3.77 | 6 | 63 | 3.77 | 5.63 | 4.91 | 4.38 | 3.40 | 2.51 | 1.28 | 0.59 | 0.00 |
| 10 | 2.97 | 5 | 59 | 2.97 | 4.64 | 3.90 | 3.29 | 2.54 | 1.95 | 0.98 | 0.29 | 0.00 |
| 11 | 2.20 | 4 | 55 | 2.20 | 3.78 | 3.21 | 2.49 | 1.61 | 0.86 | 0.43 | 0.19 | 0.09 |
| 12 | 1.41 | 3 | 47 | 1.41 | 2.50 | 1.84 | 1.45 | 0.96 | 0.72 | 0.47 | 0.28 | 0.07 |
| 13 | 1.46 | 3 | 49 | 1.46 | 2.81 | 2.39 | 1.43 | 0.72 | 0.40 | 0.17 | 0.13 | 0.00 |
| 14 | 1.24 | 3 | 41 | 1.24 | 2.39 | 1.73 | 1.31 | 0.79 | 0.41 | 0.13 | 0.04 | 0.02 |
| 15 | 1.70 | 4 | 43 | 1.70 | 3.68 | 2.78 | 1.53 | 0.60 | 0.27 | 0.05 | 0.05 | 0.00 |
| 16 | 1.21 | 3 | 40 | 1.21 | 2.51 | 1.78 | 1.14 | 0.70 | 0.27 | 0.08 | 0.00 | 0.00 |
| 17 | 1.83 | 5 | 37 | 1.83 | 3.65 | 2.72 | 1.82 | 1.09 | 0.49 | 0.12 | 0.00 | 0.06 |
| 18 | 1.30 | 4 | 33 | 1.30 | 2.83 | 1.71 | 1.15 | 0.58 | 0.41 | 0.19 | 0.09 | 0.02 |
| 19 | 1.32 | 4 | 33 | 1.32 | 3.07 | 1.88 | 1.11 | 0.49 | 0.19 | 0.03 | 0.00 | 0.00 |
| 20 | 1.06 | 4 | 27 | 1.06 | 2.87 | 1.30 | 0.58 | 0.26 | 0.09 | 0.05 | 0.01 | 0.00 |
| | 44.78 | 80 | 45 | 44.78 | 71.03 | 59.03 | 48.75 | 37.31 | 26.93 | 15.86 | 7.81 | 1.12 |

Suggested grade boundaries

| Grade | 9 | 8 | 7 | 6 | 5 | 4 | 3 |
|-------|----|----|----|----|----|----|---|
| Mark | 65 | 54 | 43 | 32 | 21 | 12 | 6 |