End of Year Assessment – Key Stage 3/GCSE



KS3/GCSE MARK SCHEME

- 1. 16
- 2. 42 Award 2 marks for correct answer, 1 mark for sight of 7 or for method of 0.6 x 70 or 70 x 60 / 100
- 3. 5/12 Award 2 marks for correct answer or 1 mark for seeing 8/12 3/12 or equivalent
- 4. 3/9 or equivalent eg 1/₃
- 5. a) 350, b) 60, c) 7.2, d) 140
- 6. Top label: tangent, left label: radius, right label: diameter
- 7. a) 3, b) 4.5 or 4 1/2 (give 1 Mark if they put the numbers in order or right both 4 and 5 as the answer), c) 5 (give 1 mark if they have attempted the correct method of adding the numbers together and then dividing by 8)
- 8. a) 53, b) there are 180 degrees in a straight line
- 9. a) e, b) b, c) a, d) f
- 10.a) 12 (give 1 Mark for sight of 8 and 4 or for the method of 0.15 x 80 be in t used), b) 35 (give 1 Mark if they have shown that 1/6 is equal to 7. This could be in a bar diagram)
- 11. Train goers = 27 Give a mark each for each of these Men: 1/5 of 60 = 12, Women $\frac{1}{3}$ of 45 = 15
- 12.1 mark for working out either 20% of £80 (£16) or ⅓ of £90 (£30). Then give an extra mark for each sale price calculated (Shop A: £64, Shop B: £60). Final mark for stating that it is cheapest in Shop B. Do not give any marks for saying shop B unless the working clearly justifies theirs decision
- 13. a) $3m^2 + m$ (allow 1m), b) 5p + 3q (give one mark for each part), c) 6a + 3c 10 (give 1 Mark for sight of either 12a + 3c or 6a - 10)
- 14.14 (Give one mark if they substitute at least 1 value correctly into the nth term. Eg n=2.2x2(2-6) = 4x(-4) = -1), b) 4n + 7 (give 1 Mark for 4n by itself or plus or minus a number)
- 15. a) t = 3, b) x = 8, c) w = 3 (give one mark if they have taken away the 2 from the 20)
- 16. **600g.** One mark for 50 x 4 = 200 grams of sugar for 60 biscuits. One mark for attempting to multiply 200 x 3 = 600g or 50 x 3 = 150g
- 17.23 One mark for 35 and 12 or -12
- 18.3240. One mark for 90 x 60. One mark for 5400(m²). One mark for attempting to find 60% or 40% of whatever area they work out with a valid method.
- 19.£168. One mark for working out that Chloe and Denesh each get 3 parts of the ratio. One mark for dividing 360 by 15 or for sight of 24. One mark for 24 x 7.
- 20. 50mph. 1 mark for working out a time difference of 1 hour 18 minutes or 78 minutes. 1 mark for attempting to work out the speed using ratio tables or 65 divided 1.3.

65 miles in 78 min

5 miles in 6 min

50 miles in 60 min



LESSONS End of Year Assessment – Key Stage 3/GCSE



- 21.£420. 1 mark for correct multiplications to find the area. 1 mark for an area of 126 square metres. 1 mark for 126/1.5 or for counting up in 1.5's. 1 mark for 84. 1 mark for $84 \times £5 = £420$
- 22.320.4cm. 1 mark for finding the circumeference of one of the layers. Eg. 40 x 3.141 = 125.64. 1 mark for calculating the diameter of at least one of the other layers (34cm and 28cm). 1 mark for finding both of their circumferences (106.79cm and 87.95cm). 1 mark for attempting to add them all together.

TOTAL MARKS: 61