

SUMMER SCHOOL 11 ANSWER KEY

ALGEBRA

1. $4y$

2. $5w$

3. $6a$

4. $3s$

5. $2n$

6. $3g$

7. $2y$

8. 0

9. $5y$

10. $7a$

11. $14k$

12. $8m$

13. $35c$

14. $3w$

15. $8y$

16. $6t$

17. $3x$

18. 0

19. $6y$

20. u

21. $2y^2$

22. $3a^2$

23. $5c^2$

24. $10y^2$

25. $4x + 18$

26. $6y + 4x$

27. $5x$

28. $12x$

29. $14x + 12$

30. $c + 4$

31. $2a$

32. $b - 3$

33. $m/5$

34. $7s$

35. $w - 1$

36. e^2

37. $y + 9$

38. $m/3$

39. $10x$

40. $8 - k$

41. $g - 12$

42. $2m$

43. $15m$

44. mx

45. $y + 3$

46. $y - 2$

47. $3y$

48. $y/2$

49. $3y - 2$

50. $2(y + 3)$

51. $3y + 2$

52. $3y/2$

53. $y + 45$

54. $y + 120$

55. $y + 15n$

56. 12

57. 6

58. 11

59. 7

60. 14

61. 40

62. 45

63. 15

64. 5

65. 3

66. 2

67. 3.5

68. £170

69. £320

70. $w = 2$

71. $c = 8$

72. $a = 7$

73. $x = 9$

74. $x = 9$

75. $w = 4$

76. $x = 9$

77. $w = 12$

78. $x = 28$

79. $y = 6$

80. $x = 30$

81. $x = 17$

82. $x = 16$

83. $m = 48$

84. $w = 50$

85. $x = 50$

86. $3n = 48$

87. $n = 16$

88. $7n + 3 = 45$

89. $n = 6$

90. $4x + 30 = 150$

91. $x = 30$

92. 45 metres

93. 13

94. 17

95. 14

96. 20

97. 10

98. 2

99. 18

100. 20

101. 13

102. 30

103. 6

104. 38

105. 10

106. 21

107. 8

108. 60

109. 7

110. 23

111. 200

112. 10

113. 3

114. 99

115. 2

116. 51

117. 24

118. 100

119. Yes

120. No – it should be $6 + 4 \times 9 = 42$

2D VIEWS

121. B

122. C

123. A

124. B

125. B

COMBINATION SHAPES

126. E

127. A

128. E

129. A

130. E

131. B

COMPREHENSION

132. B

133. D

134. C

135. B

136. A

137. B

138. C

139. B

140. E

141. C

142. A

143. B

144. D

BEST WORD

- 145. stand
- 146. to
- 147. implored
- 148. of
- 149. we're
- 150. as
- 151. theirs
- 152. went
- 153. with
- 154. which
- 155. are
- 156. that
- 157. they're
- 158. I
- 159. There were
- 160. worst
- 161. had done
- 162. no

SPELLING

- 163. B meticulous
- 164. C excitement
- 165. E none
- 166. A flamboyant

167. A accompanied

168. A rhythm

169. B assortment

170. C awkward

171. E none

172. D existence

173. B privilege

174. D cemetery

175. E none

176. D environmental

177. E none

178. C appreciate

179. D

PUNCTUATION

180. D - but robust animal.

181. A - But how accurate is this?

182. A. skin is highly sensitive,

183. C - sun's harmful rays.

184. N

185. B - medicine! It's true

186. A - be fooled, they are

187. C - per hour. Hippos)

188. N

189. D

DOUBLE MEANING

- 190. D
- 191. C
- 192. B
- 193. D
- 194. C

LOGIC PROBLEMS

- 195. A
- 196. C
- 197. C
- 198. B
- 199. B
- 200. B

EXTRA QUESTIONS

- NVR
- 201. A
- 202. C
- 203. B
- 204. B
- 205. D
- 206. A

VR: DOUBLE MEANING

- 207. C (MATCH)
- 208. D (RIGHT)
- 209. D (BANK)
- 210. C (BARK)
- 211. D (TRIP)
- 212. C (WATCH)
- 213. C (LIGHT)
- 214. B (PUPIL)
- 215. C (RULER)
- 216. A (LETTER)
- 217. B (PEN)
- 218. B (SPRING)
- 219. B (TRUNK)
- 220. B (KIND)
- 221. B (COOL)

LOGICAL QUESTIONS

- 222. A ($150 - (35 + 70) = 45$)
- 223. C ($(\$60 - \$20) / \$5 = 8$)
- 224. B ($(15 - 3) * 4 = 48$)
- 225. D (Cats = $18/2 = 9$; Squirrels = $9 * 3 = 27$)
- 226. C ($(3 * 12) - (8 + 3) = 25$)
- 227. D ($£20.00 - £13.49 = £6.51$)
- 228. B ($(2 * £0.65) + £1.20 = £2.50$)
- 229. C ($\$18.60 / 4 = \4.65)
- 230. C (The order is Ben, Sam, Tom, Liz, Amy)
- 231. B (The order is Blue, Green, Yellow, Red)
- 232. D (The order is Finn, Ava, Ella, Grace, Dan)
- 233. B ($15 - 8 = 7$)
- 234. C ($10 + 12 = 22$)
- 235. D ($8 + 12 + 6 + 4 = 30$)
- 236. A ($300 - 175 = 125$)