

ANSWERS

RATIOS STRETCH

1. $\frac{3}{5}$
2. $\sqrt{3/12}$
3. $\frac{1}{2}$
4. $\frac{8}{25}$
5. 76
6. 20
7. 44
8. 95
9. 85.5
10. $\frac{5}{18}$

VENN DIAGRAMS STRETCH

11. 2
12. 20
13. 7
14. 18
15. 72
16. 468
17. 13
18. 39
19. 195
20. $\frac{11}{24}$

CLOCKS STRETCH

21. 8:24
22. 8:49
23. 21
24. 28
25. 115
26. 6:33
27. $13\frac{9}{11}$
28. $7\frac{7}{11}$
29. 5:16
30. 630

WARM-UP 1

31. $\frac{15}{16}$
32. 5
33. $\frac{3}{40}$
34. 21
35. 23
36. 47.94
37. 765,434,567
38. 11
39. 24
40. 18

WARM-UP 2

41. 4
42. 1^*
43. $\frac{7}{12}$
44. 5
45. 1050
46. 74
47. 240
48. 105
49. 540
50. 1

WARM-UP 3

51. 75 or 75.00
52. $\frac{7}{6}$
53. 5
54. 16 or 16.00
55. 10
56. -23
57. 18
58. 70
59. 28
60. $\frac{2}{5}$

WARM-UP 4

61. $\frac{10}{3}$
62. 2
63. 120
64. 10
65. 6
66. $\frac{15}{16}$
67. $\frac{1}{17}$
68. 119
69. 37
70. 24

WARM-UP 5

71. $\frac{39}{4}$
72. 312
73. 4
74. $\frac{5}{6}$
75. 7.2
76. 1728
77. E-W or East-West
78. 45
79. 11:40
80. 9

WARM-UP 6

81. 16
82. $\frac{78}{11}$
83. 39
84. 35
85. 5
86. 0
87. 126
88. 5
89. 2
90. 23

WARM-UP 7

91. 14,400
92. 5
93. 27
94. 600 or 600.00
95. 20
96. 66
97. 2.5×10^3
98. 6
99. 10
100. 14

WARM-UP 8

101. 30
102. 60
103. 8
104. 11
105. 500
106. 12
107. 17
108. 230
109. 74
110. 9,182,736

WARM-UP 9

111. 3
112. 20
113. 18
114. $12\sqrt{3}$
115. 31
116. 8
117. $\frac{7}{2}$
118. 45
119. 51
120. 8

WARM-UP 10

121. 30
122. 0
123. 54π
124. 13
125. -1
126. 4
127. (-12, 5)
128. 42
129. 400
130. 17

WARM-UP 11

131. $\frac{95}{6}$
132. $\frac{49}{2}$
133. $\frac{1}{10}$
134. 6
135. 144
136. 2
137. 379
138. 13
139. 211
140. 125

WORKOUT 1

141. 2020
142. 25.8
143. 18.3
144. 24
145. 69.3
146. 7.9
147. 12
148. 14
149. 3.5
150. 200

WORKOUT 2

151. 45
152. 500
153. 16
154. 0.049
155. 434
156. 17.3
157. 0.44
158. 24
159. 7
160. -9

WORKOUT 3

161. $\frac{105}{512}$
162. 80
163. 5
164. 103,000
165. 0.57
166. 16.7
167. $\frac{16}{15}$
168. 112
169. 11
170. 5

WORKOUT 4

171. 24.3
172. 66
173. 13.7
174. 491.67
175. 160 or 160.00
176. 2.97
177. 247.7
178. 51
179. 27
180. 0.25

WORKOUT 5

181. 28
182. 17,403
183. 86
184. 210
185. 17.2
186. 45
187. 37.5
188. 6
189. 26
190. 867

WORKOUT 6

191. 10
192. 30
193. 17
194. $\frac{1}{24}$
195. 57
196. 76.4
197. 8
198. 81.5
199. 29
200. $\frac{5}{12}$

* The plural form of the units is always provided in the answer blank, even if the answer appears to require the singular form of the units.