

In each question 65 - 70 the numbers in the second column are formed from the numbers in the first column by using a certain rule. A different rule is used in each question. Put the correct answer opposite the arrow.

65. 5 $\xrightarrow{\text{yellow}}$ 20
 6 $\xrightarrow{\text{black}}$ 30
 7 $\xrightarrow{\text{green}}$ 42
 8 $\xrightarrow{\text{black}}$

66. 8 $\xrightarrow{\text{purple}}$ 2
 12 $\xrightarrow{\text{black}}$ 6
 15 $\xrightarrow{\text{black}}$ 9
 19 $\xrightarrow{\text{purple}}$

67. 40 $\xrightarrow{\text{black}}$ 9
 48 $\xrightarrow{\text{green}}$ 11
 68 $\xrightarrow{\text{purple}}$ 16
 76 $\xrightarrow{\text{green}}$

68. 2 $\xrightarrow{\text{purple}}$ 11
 3 $\xrightarrow{\text{black}}$ 30
 4 $\xrightarrow{\text{purple}}$ 67
 5 $\xrightarrow{\text{yellow}}$

69. 5 $\xrightarrow{\text{green}}$ 7
 6 $\xrightarrow{\text{green}}$ 9
 12 $\xrightarrow{\text{green}}$ 21
 17 $\xrightarrow{\text{purple}}$

70. 100 $\xrightarrow{\text{yellow}}$ 180
 80 $\xrightarrow{\text{black}}$ 140
 60 $\xrightarrow{\text{yellow}}$ 100
 50 $\xrightarrow{\text{black}}$

Complete each sequence by inserting the correct number in the brackets.

71. 5.6, 4.2, 2.8, 1.4, ()

72. 7, 7, 14, 42, ()

73. 7, 12, 12, 7, 17, ()

74. 4, 103, 202, 301, ()

75. 110, 291, 472, 653, ()

76. 216, 125, 64, 27, ()

77. 36, 49, 64, 81, ()