

$$\begin{aligned}
 b) \quad & 400 + 480 : 4 - [680 : 2 + 4 \times (20 + 12 + 18)] = \\
 & = 400 + 120 - [340 + 4 \times (32 + 18)] = \\
 & = 520 - (340 + 4 \times 50) = \\
 & = 520 - (340 + 200) = \\
 & = 520 - 540 = -20
 \end{aligned}$$

\* exercitiul b) este greșit în culigire.

$$\begin{aligned}
 c) \quad & [1 + 2 \times (6 + 6 : 3) - 5] : 6 = \\
 & = [1 + 2 \times (6 + 2) - 5] : 6 = \\
 & = (1 + 2 \times 8 - 5) : 6 = \\
 & = (1 + 16 - 5) : 6 = (17 - 5) : 6 = 12 : 6 = 2
 \end{aligned}$$

$$\begin{aligned}
 d) \quad & 180 : 2 + [(50 \times 2 : 10 + 90) + 10] - 25 \times 4 = \\
 & = 90 + [(100 : 10 + 90) + 10] - 100 = \\
 & = 90 + [(10 + 90) + 10] - 100 = \\
 & = 90 + (100 + 10) - 100 = \\
 & = 90 + 110 - 100 = 200 - 100 = 100
 \end{aligned}$$

$$\begin{aligned}
 e) \quad & [1019 + (837 : 3 + 528 : 4)] \times 2 = \\
 & = [1019 + (279 + 132)] \times 2 = \\
 & = (1019 + 411) \times 2 = \\
 & = 1430 \times 2 = 2860
 \end{aligned}$$

$$\begin{aligned}
 f) \quad & [(136 \times 4 + 56 \times 6) \times 5 - 2552] : (900 - 3 \times 293) = \\
 & = [(544 + 336) \times 5 - 2552] : (900 - 879) = \\
 & = (880 \times 5 - 2552) : 21 = \\
 & = (4400 - 2552) : 21 = \\
 & = 1848 : 21 = 88
 \end{aligned}$$

$$\begin{aligned}
 g) \quad & 900 - [(648 : 4 + 350 : 5) : 2] \times 3 = \\
 & = 900 - [(162 + 70) : 2] \times 3 = \\
 & = 900 - (232 : 2) \times 3 = \\
 & = 900 - 116 \times 3 = \\
 & = 900 - 348 = 552
 \end{aligned}$$

$$\begin{aligned}
 h) \quad & 95 - [25 : (45 : 9) + (36 : 9 \times 3 - 6)] + 786 : 6 = \\
 & = 95 - [25 : 5 + (4 \times 3 - 6)] + 131 = \\
 & = 95 - [5 + (12 - 6)] + 131 = \\
 & = 95 - (5 + 6) + 131 = \\
 & = 95 - 11 + 131 = \\
 & = 84 + 131 = 215
 \end{aligned}$$

$$\begin{aligned}
 i) \quad & [84 + (630 : 6 \times 4) - (312 : 8 \times 2) - 298] : (8 \times 864 : 108) = \\
 & = [84 + (105 \times 4) - (39 \times 2) - 298] : (6912 : 108) = \\
 & = (84 + 420 - 78 - 298) : 64 = \\
 & = (504 - 78 - 298) : 64 = \\
 & = (426 - 298) : 64 = \\
 & = 128 : 64 = 2
 \end{aligned}$$

$$\begin{aligned}
 j) \quad & 314 - 2 \times [(16 + 15) - (83 - 79)] = \\
 & = 314 - 2 \times (31 - 4) = \\
 & = 314 - 2 \times 27 = \\
 & = 314 - 54 = 260
 \end{aligned}$$

$$\begin{aligned}
 k) \quad & 9 \times (101 \times 1 + 111 : 1) - [85 - 7 \times (36 : 9 + 63 : 9)] = \\
 & = 9 \times (101 + 111) - [85 - 7 \times (4 + 7)] = \\
 & = 9 \times 212 - (85 - 7 \times 11) = \\
 & = 1908 - (85 - 77) = \\
 & = 1908 - 8 = 1900
 \end{aligned}$$

$$\begin{aligned}
 \text{l) } 324 & : [108 : (21 + 54 : 9 \times 5 : 30 + 45 : 9)] + 19 = \\
 & = 324 : [108 : (21 + 6 \times 5 : 30 + 5)] + 19 = \\
 & = 324 : [108 : (21 + 30 : 30 + 5)] + 19 = \\
 & = 324 : [108 : (21 + 1 + 5)] + 19 = \\
 & = 324 : (108 : 27) + 19 = \\
 & = 324 : 4 + 19 = \\
 & = 81 + 19 = 100
 \end{aligned}$$

$$\begin{aligned}
 \text{m) } 101 - 300 & : [24 - 21 : (42 - 18 : 3 - 180 : 12) + 196 : 28] = \\
 & = 101 - 300 : [24 - 21 : (42 - 6 - 15) + 7] = \\
 & = 101 - 300 : [24 - 21 : (36 - 15) + 7] = \\
 & = 101 - 300 : [24 - 21 : 21 + 7] = \\
 & = 101 - 300 : (24 - 1 + 7) = \\
 & = 101 - 300 : (23 + 7) = \\
 & = 101 - 300 : 30 = \\
 & = 101 - 10 = 91
 \end{aligned}$$