

Cognome e Nome _____ Classe _____ Data _____

1. $49:7 + 8 \cdot 4 - 11 \cdot 3 - 10:5 =$ [4]
 $= 7 + 32 - 33 - 2 =$
 $= 39 - 33 - 2 =$
 $= 6 - 2 = 4$
2. $25 \cdot 5 + 22 \cdot 2 - 13 \cdot 12 + 350:70 - 15 =$ [3]
 $= 125 + 44 - 156 + 5 - 15 =$
 $= 169 - 156 + 5 - 15 =$
 $= 13 + 5 - 15 =$
 $= 18 - 15 = 3$
3. $12 + (72:9 + 3 \cdot 4):(40:8 + 5) - 32:8 =$ [10]
 $= 12 + (8 + 12):(5 + 5) - 32:8 =$
 $= 12 + 20:10 - 32:8 =$
 $= 12 + 2 - 4 =$
 $= 14 - 4 = 10$
4. $(12 - 45:9) \cdot 5 + (23 + 49:7):15 - 37 + 5 =$ [5]
 $= (12 - 5) \cdot 5 + (23 + 7):15 - 37 + 5 =$
 $= 7 \cdot 5 + 30:15 - 37 + 5 =$
 $= 35 + 2 - 37 + 5 =$
 $= 37 - 37 + 5 =$
 $= 0 + 5 = 5$
5. $0:[10 \cdot (20 - 95:5) - (48:12 \cdot 2):1 + 2]:0 =$ [ind.]
 $= 0:[10 \cdot (20 - 19) - (4 \cdot 2):1 + 2]:0 =$
 $= 0:[10 \cdot 1 - 8:1 + 2]:0 =$
 $= 0:[10 - 8 + 2]:0 =$
 $= 0:[2 + 2]:0 =$
 $= 0:4:0 =$
 $= 0:0 = \text{indeterminata}$

$$\begin{aligned}
 6. \quad & 1 + [49 : 7 + 2 \cdot (88 : 22 + 20) : 12 - (70 - 23 \cdot 3)] \cdot 2 = & [21] \\
 & = 1 + [49 : 7 + 2 \cdot (4 + 20) : 12 - (70 - 69)] \cdot 2 = \\
 & = 1 + [49 : 7 + 2 \cdot 24 : 12 - 1] \cdot 2 = \\
 & = 1 + [7 + 48 : 12 - 1] \cdot 2 = \\
 & = 1 + [7 + 4 - 1] \cdot 2 = \\
 & = 1 + [11 - 1] \cdot 2 = \\
 & = 1 + 10 \cdot 2 = \\
 & = 1 + 20 = \mathbf{21}
 \end{aligned}$$

$$\begin{aligned}
 7. \quad & 3 : \{ [9 - (21 : 7 + 30 : 6)] - [(45 : 9 + 4) - 8] \} = & [\text{imp.}] \\
 & = 3 : \{ [9 - (3 + 5)] - [(5 + 4) - 8] \} = \\
 & = 3 : \{ [9 - 8] - [9 - 8] \} = \\
 & = 3 : \{ 1 - 1 \} = \\
 & = 3 : 0 = \mathbf{\text{impossibile}}
 \end{aligned}$$

$$\begin{aligned}
 8. \quad & \{ 85 : [(216 : 8 - 10) - (81 : 27 - 3)] \cdot 2 \} - [(88 - 9 \cdot 9) - (98 : 49)] \cdot 2 = & [0] \\
 & = \{ 85 : [(27 - 10) - (3 - 3)] \cdot 2 \} - [(88 - 81) - 2] \cdot 2 = \\
 & = \{ 85 : [17 - 0] \cdot 2 \} - [7 - 2] \cdot 2 = \\
 & = \{ 85 : 17 \cdot 2 \} - 5 \cdot 2 = \\
 & = \{ 5 \cdot 2 \} - 5 \cdot 2 = \\
 & = 10 - 5 \cdot 2 = \\
 & = 10 - 10 = \mathbf{0}
 \end{aligned}$$

$$\begin{aligned}
 9. \quad & \{ [(48 - 8 \cdot 5 + 29) + 3] : 20 + 12 \} \cdot (35 - 11 \cdot 3) : [10 - (216 : 6) : 6 - 4] = & [\text{imp.}] \\
 & = \{ [(48 - 40 + 29) + 3] : 20 + 12 \} \cdot (35 - 33) : [10 - 36 : 6 - 4] = \\
 & = \{ [37 + 3] : 20 + 12 \} \cdot 2 : [10 - 36 : 6 - 4] = \\
 & = \{ 40 : 20 + 12 \} \cdot 2 : [10 - 6 - 4] = \\
 & = \{ 40 : 20 + 12 \} \cdot 2 : 0 = \\
 & = \{ 2 + 12 \} \cdot 2 : 0 = \\
 & = 14 \cdot 2 : 0 = \\
 & = 28 : 0 = \mathbf{\text{impossibile}}
 \end{aligned}$$