

CONTROL TEST 1.

1..

$$a) 28:4 + 12 \cdot 3 - 6 \cdot 4 =$$

$$7 + 36 - 24$$

$$\boxed{+19}$$

$$b) 10 - 8 + 12:4 + 7 \cdot 4 - 30 =$$

$$10 - 8 + 3 + 28 - 30$$

$$2 + 3 + 28 - 30$$

$$5 + 28 - 30$$

$$33 - 30$$

$$\boxed{+3}$$

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$$c) (8 + 3 + 5) \cdot 4 - 15: (11 - 6) - 9 \cdot 4 =$$

$$16 \cdot 4 - 15:5 - 36$$

$$64 - 3 - 36$$

$$\boxed{+25}$$

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$$d) \quad 100 - 6 \cdot 8 - 36 \div 3 - 30 + 5 =$$

$$100 - 48 - 12 - 30 + 5$$

$$52 - 12 - 30 + 5$$

$$40 - 30 + 5$$

$$10 + 5$$

$$\boxed{+15} //$$

$$e) \quad 14 - 40 : 5 + 11 \cdot (27 + 3 - 42 \div 6) =$$

$$14 - 8 + 11 \cdot (9 - 7)$$

$$14 - 8 + 11 \cdot (2)$$

$$14 - 8 + 22$$

$$6 + 22$$

$$\boxed{+28} //$$

$$f) \quad (2 + 4 + 6 + 8) \cdot 9 - 20 \cdot (9 - 7 + 5 - 3 + 1) =$$

$$20 \cdot 9 - 20 \cdot (+5)$$

$$180 - 100$$

$$\boxed{+80} //$$

$$g) [(4 \cdot 3 - 6) + (8 \cdot 3 - 15 : 3)] \cdot [(9 : 3 + 3 \cdot 9) : (6 - 3)]$$

$$[(12 - 6) + (24 - 5)] \cdot [(3 + 27) \div (3)]$$

$$[(6) + (19)] \cdot [30 \div 3]$$

$$[6 + 19] \cdot [10]$$

$$25 \cdot 10$$

$$\boxed{+250}$$

2. -

a) 158 y 225

$$\begin{array}{r|l} 158 & 2 \\ 79 & 79 \\ 1 & \end{array}$$

$$\begin{array}{r|l} 225 & 5 \\ 45 & 5 \\ 9 & 3 \\ 3 & 3 \\ 1 & \end{array}$$

$$158 = (2) \cdot (79)$$

$$225 = (5^2) \cdot (3^2)$$

$$\text{m.c.m} = 79 \cdot 5^2 \cdot 3^2 \cdot 2$$

(TODO) $\rightarrow \boxed{\underline{\underline{35.550}}}$

$$\begin{array}{r|l}
 140 & 5 \\
 28 & 2 \\
 14 & 2 \\
 7 & 7 \\
 1 &
 \end{array}$$

$$\begin{array}{r|l}
 900 & 5 \\
 180 & 5 \\
 36 & 2 \\
 18 & 2 \\
 9 & 3 \\
 3 & 3 \\
 1 &
 \end{array}$$

$$140 = 5 \cdot 2^2 \cdot \textcircled{7}$$

$$900 = \textcircled{5^2} \cdot \textcircled{2^2} \cdot \textcircled{3^2}$$

$$m.c.m. = 900 \cdot 7 = \underline{\underline{6300}}$$