

CONTROL 1

1.

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

$$7 + 36 - 24$$

$$\boxed{19}$$

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

$$2 + 3 + 28 - 30$$

$$33 - 30$$

$$\boxed{3}$$

$$c) 6 \cdot (15 - 5 + 2) - 8 : 4 - 42 : (10 - 7 + 3) =$$

$$6 \cdot (12) - 2 - 42 : 6$$

$$72 - 2 - 7$$

$$\boxed{63}$$

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

$$16 \cdot 4 - 3 - 36$$

$$64 - 3 - 36$$

$$\boxed{25}$$

$$e) 100 - 6 \cdot 8 - 36 : 3 - 30 + 5 =$$

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

$$\underline{\underline{15}}$$

$$f) 18 \cdot (35 + 26 - 51) - (27 - 25 + 30) : 4 - 72 =$$

$$18 \cdot 10 - 32 : 4 - 72$$

$$180 - 8 - 72$$

$$\underline{\underline{100}}$$

$$g) 18 : 6 + 8 \cdot 9 - 7 \cdot (2 \cdot 6 + 20 : 2 - 12) + 5 =$$

$$3 + 72 - 7 \cdot (12 + 10 - 12) + 5$$

$$3 + 72 - 7 \cdot (10) + 5$$

$$3 + 72 - 70 + 5$$

$$\underline{\underline{10}}$$

CONTROL 1

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

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

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

$$14 - 8 + 22$$

$$\begin{array}{r} \checkmark \\ \hline 28 \\ \hline \end{array}$$

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

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

$$180 - 20 \cdot 5$$

$$180 - 100$$

$$\begin{array}{r} \hline 80 \\ \hline \end{array}$$

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

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

$$[6 + 19] \cdot [30 : 3]$$

$$25 \cdot 10$$

$$\begin{array}{r} \hline 250 \\ \hline \end{array}$$

2.

a) 158 y 225

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

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

$$158 = 2 \cdot 79$$

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

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

$$= \underline{\underline{35550}}$$

b) 140 y 900.

$$\begin{array}{r|l} 140 & 5 \\ 70 & 5 \\ 14 & 2 \\ 7 & 7 \\ 1 & \end{array}$$

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

$$140 = 5^2 \cdot 2 \cdot 7$$

$$900 = 5^2 \cdot 2^2 \cdot 3^2$$

$$\text{m.c.m} = 5^2 \cdot 2^2 \cdot 3^2 \cdot 7$$

$$= \underline{\underline{6300}}$$