

1)  $5! = 120$

2)  $2^{10} = 1024$

3a)  $\frac{6}{+0} \frac{6}{+0} \frac{5}{+0} \frac{4}{+0} = 720$

b)  $\frac{3}{+0} \times \frac{3}{+0} \times \frac{2}{+0} \times \frac{1}{+0} = 18$

c)  $\frac{6}{+0} \frac{5}{+0} \frac{4}{+0} \frac{1}{0}$  Case 1 or  $\frac{5}{+0} \frac{5}{+0} \frac{4}{+0} \frac{1}{5}$  Case 2 = 220

4) a)  $\frac{7}{+0} \times \frac{6}{+0} = 42$

b)  $\frac{7}{+0} \times \frac{7}{+0} = 49$

5)  $\binom{44332211}{MWMWMWMW} + \binom{44332211}{WMWMWMWM} = 1152$

$8 \times 4 \times 3 \times 3 \times 2 \times 2 \times 1 \times 1$

e)  $\frac{5364}{+0}$

$\frac{123578}{+0}$

$$\frac{2 \times 6 \times 6 \times 6}{78} =$$

$$\frac{1}{5} \frac{3}{578} \frac{4}{+0} \frac{6}{+0} =$$

$$\frac{1}{5} \frac{1}{3} \frac{2}{78} \frac{6}{+0} =$$


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