

Subject:

Year:

Month:

Date:

$$\frac{4!}{3!2!} = 4$$

18

$$\frac{4!}{3!2!} = 4$$

15

$$111 \text{ (1)} \quad 123 = 3! = 6$$

19

$$112 \frac{3!}{2!} \text{ (3)} \quad 133 \text{ (3)} \quad \boxed{19}$$

$$113 \frac{3!}{2!} \text{ (3)} \quad 223 \text{ (3)}$$

$$\binom{4}{1} \times \binom{4}{1} = \frac{4!}{1!3!} \times \frac{4!}{1!3!} = 4 \times 4 = 16$$

14

$$\frac{4!}{2!2!} = 6$$

17

$$\binom{4}{1} \times \binom{4}{1} \times \binom{4}{1} \times \binom{4}{1} \times \binom{4}{1} = 4^5$$

19

$$15 \rightarrow 1 \times 1$$

$$17 \rightarrow 2 \times 2$$

$$19 \rightarrow 3 \times 3$$

$\left. \begin{array}{l} 15 \\ 17 \\ 19 \end{array} \right\} 29$

20