Binomial Coefficient Examples with SimBraille

1. Seven choose five is written
$\binom{7}{5}$
: : : : : : : : :
2. n choose r is written
$\binom{n}{r}$
: : : : : : : :
3. Open parenthesis $x$ plus $y$ close parenthesis cubed equals three choose zero $x$ cubed plus three choose one $x$ squared $y$ plus three choose two $x y$ squared plus three choose three $y$ cubed is written

$$
\begin{aligned}
& (x+y)^{3}=\binom{3}{0} x^{3}+\binom{3}{1} x^{2} y+\binom{3}{2} x y^{2}+\binom{3}{3} y^{3} \\
& \text { ::\%:\%::::: : : }
\end{aligned}
$$

