## 8.2) Factorial notation

Worked example	Your turn
Find the number of different ways of arranging the letters <i>ABCD</i>	Find the number of different ways of arranging the letters <i>ABCDE</i>
	5! = 120

Worked example	Your turn
Find the number of ways of a football coach choosing 11 starting players from a squad of 18	Find the number of ways of a netball coach choosing 7 starting players from a squad of 12 $\frac{12!}{7!  5!} = 792$

Worked example	Your turn
Using factorials, evaluate: 1!	Using factorials, evaluate: 0! 1
$\binom{10}{0}$	$\binom{20}{1}$ 20
	190
	190