

1	(a)		No with reason	C1	for "no" with reason, eg Tracey should multiply 8 and 7
	(b)		66	M1	for starting a method to find number of games played, eg $12 \times 11 (= 132)$ or sum of integers from 1 to 11
				A1	cao

2	240	M1	for start to method to find total number of matches, eg 16×15 or $16^2 - 16$ or $16 \times 15 \times 2 (= 480)$ or $\frac{16 \times 15}{2} (= 120)$	Credit complete listing strategies
		A1	cao	

3	(a)	125	M1	for method to find the number of 3 digit combinations, eg 5^3 or $5^3 - 1$	
			A1	for 125 or 124	
	(b)	60	M1	for method to find the number of combinations with 3 different digits eg $5 \times 4 \times 3$ or finds there are 65 combinations that do not have 3 different digits	
			A1	cao	

4	7	M1	method to find number of combinations, eg 19×25 oe ($= 475$) or for $3325 \div 19 (= 175)$ or $3325 \div 25 (= 133)$	
		A1	cao	

5	Yes (supported)	P1	for process to find number of combinations, eg 5×8 oe ($= 40$) or for $240 \div 5 (= 48)$ or $240 \div 8 (= 30)$ or for $240 \div 5 \div 8 (= 6)$ or $5 \times 8 \times x = 240$	
		C1	Yes and 6	

6	192 000	M1	for $16 \times 120 \times 100$ oe	
		A1	cao	