Question 6 – 3:

6(a)	42 028	**2**	**M1** for $\frac{380}{500}$ oe soi isw
6(b)	$\frac{47}{66}$ oe	**4**	0.712[1…] **M3** for $2\left(\frac{5}{12}\times\frac{4}{11}\right)+2\left(\frac{4}{12}\times\frac{3}{11}\right)+2\left(\frac{5}{12}\times\frac{3}{11}\right)$ oe or $1-\left(\frac{5}{12}\times\frac{4}{11}+\frac{4}{12}\times\frac{3}{11}+\frac{3}{12}\times\frac{2}{11}\right)$ oe or **M2** for sum of 3 or more correct product pairs and no incorrect pairs or for $\frac{5}{12}\times\frac{4}{11}+\frac{4}{12}\times\frac{3}{11}+\frac{3}{12}\times\frac{2}{11}$ and no other pairs or **M1** for $\frac{k}{12}\times\frac{j}{11}$ seen If 0 scored **SC1** for answer $\frac{94}{144}$ oe
6(c)	52	**2**	**M1** for $x\times\frac{100-16}{100}=43.68$ oe or better
6(d)(i)	70 or 70.16[5…] or 70.17 or 70.2	**3**	**M2** for $\frac{29750 \text{ to } 29800}{400+25}$ or $\frac{29750 \text{ to } 29800}{400+24}$ or $\frac{29800-50}{400 \text{ to } 425}$ or **B1** for 29 750 or 29 850 or 29 849 or 375 or 425 or 424 seen
6(d)(ii)	2399 or 2400 nfww	**2**	**B1** for 27 450 or 27 550 or 27 549 or 29 850 or 29 849 seen