

1		1.8×10^{-3}	M2	for $\frac{6 \times 10^{-2} \times 3 \times 10^{-4}}{1 \times 10^{-2}}$ or 18×10^{-4} or 0.0018 as the answer
			(M1)	for 6×0.0003 or 0.06×0.03 or 1.8×10^n ($n \neq -3$) or $0.000018 \div 0.01$ or rewriting one number in standard form)
			A1	cao

2		0.0007452	M1	for digits 7452 seen
			A1	cao

3	2.3×10^6	M1	for 2.3×10^n where $n \neq 6$ or 23×10^5 or 2300000 or 2645000000 and 1150 seen	2300000 could be written as 2.3 million
		A1	cao	

4	(a)	3.246×10^7	B1	cao	Decision eg "No" may be seen by the question. "She is incorrect" is equivalent to "no"
	(b)	0.00496	B1	cao	
	(c)	No with explanation	C1	<p>No and explanation that B is bigger as the power of 10 is bigger.</p> <p>Acceptable examples</p> <p>She is incorrect as 10^8 is smaller than 10^9</p> <p>No, because B has more digits than A</p> <p>No, A is millions but B is billions</p> <p>No, if you subtract A from B the answer is positive (but if you subtract B from A the answer is negative)</p> <p>A= 621200000, B=473000000, B is bigger</p> <p>No because she did not take into account standard form</p> <p>No as when you find the ordinary number B is greater than A</p> <p>Not acceptable examples</p> <p>Yes...</p> <p>A = 5 zeros after the number where as B = 7 zeros after the number</p> <p>No as 4.73×10^9 is one more than 6.212×10^8</p> <p>6.212 is to the power of 8 and 4.73 is to the power of 9 so there is an extra digit</p> <p>Asma is wrong because she has more numbers behind the decimal point which means that it will be bigger than A</p> <p>No B has more zeros</p>	

5	4.56×10^{-2}	M1	for $0.000000342 \div 0.0000075$	
		A1	<p>OR for 0.0456 oe eg 0.456×10^{-1} or 45.6×10^{-3} or $\frac{57}{1250}$</p> <p>OR for an answer of 4.56×10^n</p> <p>cao</p>	

6	$0.000672,$ 67.2×10^{-4} 6.72×10^5 672×10^4	B2	cao	Accept correct numbers in any form
		(B1)	<p>for correct conversions to same format, condoning one error.</p> <p>or for 3 numbers in the correct order (ignoring one)</p> <p>or for all 4 numbers listed in reverse order)</p>	