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Calc/ Non-calc	Topic	Grade	Example questions	Self- assessment
	Squares, Cubes and Index Laws	C	Work out a $\frac{\sqrt[3]{81}}{3} \times 4^2$ b $(\sqrt[3]{216})^2$ c $(\sqrt{49})^3$ d $\frac{7^2 + \sqrt[3]{1}}{\sqrt[3]{8}}$	        
	HCF and LCM	C	A car's service book states that the air filter must be replaced every 10 000 miles and the diesel fuel filter every 24 000 miles. After how many miles will both need replacing at the same time?	        
	Fractions (proper & improper). Mixed numbers	C	Tammy watches two films. The first film is $1\frac{3}{4}$ hours long and the second one is $2\frac{1}{2}$ hours long. Work out the total length of the two films. Jed buys some oranges. He sells $\frac{3}{5}$ of these oranges. Of the oranges he has left, $\frac{1}{4}$ are bad. Jed throws these away. He now has 24 oranges left. How many oranges did Jed buy?	       

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