	<b>,</b>
5th November	
The ratio of copper to zinc in the alloy brass is 3:2	Work out the cost of 500kg of brass.
Copper costs \$4830 per tonne Zinc costs \$1846 per tonne	
The population of birds on an island in 2016 was 22% lower than it was in 1996.	How many birds lived on the island in 1996?
In 2016 the population of birds was 76440.	
A container exerts a force of 1200 Newtons on the floor. The pressure on the floor is 40 Newtons/m²	
Calculate the area of the container that is in contact with the floor.	
2a B Not drawn accurately	OB
$\overrightarrow{OA} = 2a$ $\overrightarrow{AB} = 4b$ and $\overrightarrow{OC} = 8b$	
Point D is the midpoint of BC. Point E is the midpoint of AC.	AC
Write these vectors in terms of <b>a</b> and <b>b</b> .	