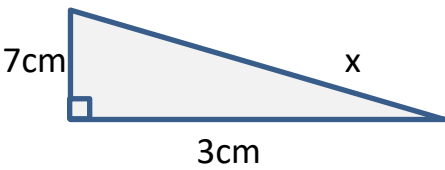
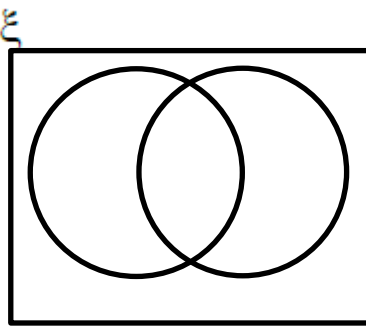
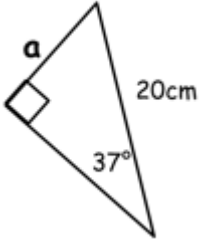


Foundation/Higher Skills 1: Work your way through the 12 Questions and I will post the answers next weekend, along with the skills 2 task. I hope you are all well, take care and enjoy 😊

Q	Question	Answer
1	The four possible outcomes of an experiment are A, B, C and D. Probability(A) = 0.16 $P(A) = 2P(B)$ $P(C) = P(D)$ Work out P(C)	
2	Work out $(2.3 \times 10^3) \times (4.1 \times 10^5)$ Give your answer in standard form	
3	Factorise and solve $x^2 + 3x - 18 = 0$	
4	The volume of a sphere is $\frac{4}{3}\pi r^3$ Work out the volume of a sphere with a radius of 6cm to 3 sf	
5	Calculate the length of x to 2dp 	
6	Students in sixth form are comparing their favourite fruit. 63 students like apples 89 students like bananas 15 students like both apples and bananas 54 students do not like either How many students are there in sixth form? You may use the Venn diagram to help you.	

7	<p>There are 140 pupils in Year 7. 75 are male, of these 14 were late to school on Monday. There were 8 girls who were late to school on Monday. Use this information to complete this frequency tree.</p>	
8	<p>A and B are different routes between 2 towns. The distance and average speed for each is Route A 25 miles at 50 mph Route B 20 miles at 30 mph Which route takes the least time? Show your working</p>	
9	<p>James invests £2000 in a bank account with a compound interest rate of 1.3%. Write a calculation that would give you the amount he has after 5 years.</p>	
10	<p>Betty sells t-shirts. She charges £7 a t-shirt She charges 10% extra for it gift wrapped. One day Betty sells 74 t-shirts and 12 of these are asked to be gift wrapped. Work out the total amount of money that Betty earned that day.</p>	
11	<p>Solve the simultaneous equations $5x+2y=4$ $4x-y=11$</p>	
12	 <p>Calculate the missing side of the triangle.</p>	
Total out of 12		