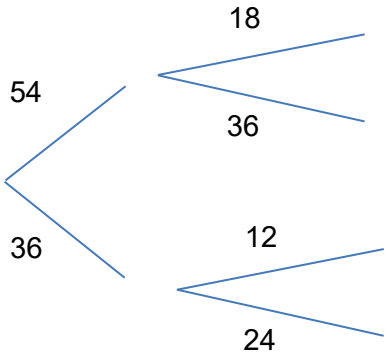
Topic Test 4 Mark Scheme

Probability - Foundation

Q	Answer	Mark	Comments
1(a)		B3	B1 for 54 for boys and 36 for girls. B1 for one-third of their 54 and two thirds of their 54 or for one-third of their 36 and two thirds of their 36
1(b)	$\frac{24}{90}$	B1	
	$\frac{4}{15}$	B1ft	ft their fraction in simplest form
2(a)	45 + 30 + 20 + 25 or 120	M1	oe
	$\frac{45}{120}$	A1	
2(b)	$\frac{49}{119}$	B1	

AQA Education (AQA) is a registered charity (number 1073334) and a company limited by guarantee registe
England and Wales (number 3644723). Our registered address is AQA, Devas Street, Manchester M15 6EX.

Q	Answer	Mark	Comments
3(a)	0.55 for pink	B1	oe
	45 ÷ 3 or 15 or 45 ÷3 × 2 or 30	M1	
	0.3 for yellow and 0.15 for blue	A1	oe
3(b)	Three branches in first set	M1	
	Three branches labelled with probabilities yellow 0.30, pink 0.55 and blue 0.15	A1ft	ft their (a)
	Two branches from yellow labelled 0.6 and 0.4 or two branches from pink labelled 0.3 and 0.7 or two branches from blue labelled 0.75 and 0.25	B1	
	Two of Two branches from yellow labelled 0.6 and 0.4 or two branches from pink labelled 0.3 and 0.7 or two branches from blue labelled 0.75 and 0.25	B1	

AQA Education (AQA) is a registered charity (number 1073334) and a company limited by guarantee registered in England and Wales (number 3644723). Our registered address is AQA, Devas Street, Manchester M15 6EX.