Q1.   A bag contains 4 beads.
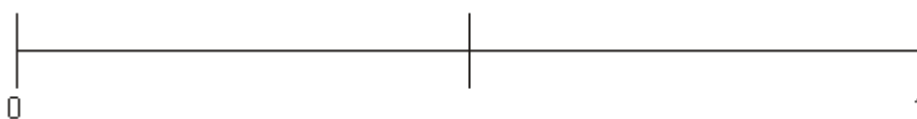
2 beads are blue.
1 bead is red.
1 bead is yellow.

Connor takes at random a bead from the bag.

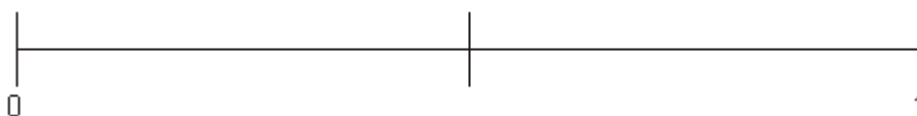(a)   On the probability scale, mark with a cross (X) the probability that he takes a blue
bead.

(1)

(b)   On the probability scale, mark with a cross (X) the probability that he takes a yellow
bead.

(1)

(c)   On the probability scale, mark with a cross (X) the probability that he takes a white
bead.

(1)
(Total 3 marks)

M1.

	Answer	Mark	Additional Guidance
(a)	X at $\frac{1}{2}$	1	**B1** for X marked at $\frac{1}{2}$ cao (allow the X above or below the line)

(b)

X at $\dfrac{1}{4}$

1

(c)	X at 0	1	**B1** for X marked at 0 cao (allow the X above or below the line)
			Total for Question: 3 marks

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Surprisingly, parts (a) and (b) of this question were poorly answered. In (a), the cross was often placed between ½ and 1. A lack of accuracy in positioning the cross in part (b) accounted for many unsuccessful attempts. Part (c) usually gained full credit.