

**Q1.** A bag contains 4 beads.

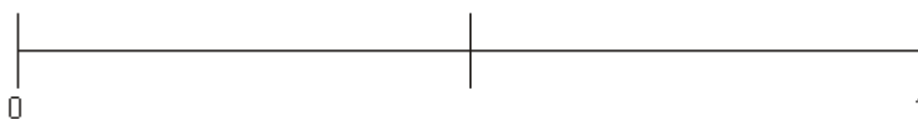
2 beads are blue.

1 bead is red.

1 bead is yellow.

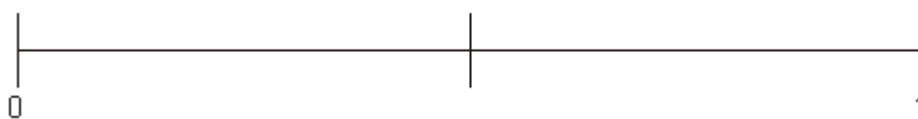
Connor takes at random a bead from the bag.

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



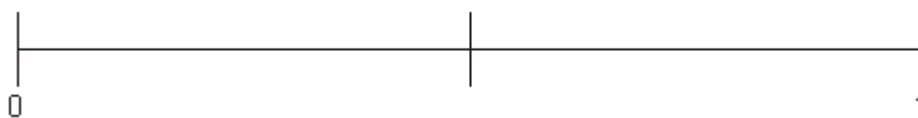
(1)

- (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	$\frac{1}{2}$ <b>B1</b> for X marked at $\frac{1}{2}$ cao (allow the X above or below the line)

(b)

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

1

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

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Surprisingly, parts (a) and (b) of this question were poorly answered. In (a), the cross was often placed between  $\frac{1}{2}$  and 1. A lack of accuracy in positioning the cross in part (b) accounted for many unsuccessful attempts. Part (c) usually gained full credit.