

Year 7 Mathematics Learning Journey: Unit 13 - Sets and Probability

Step 10: Sum of probabilities

Julie randomly selected chocolates from a box containing dark, milk, white and mint chocolates. There is an equal chance of selecting a white or a mint chocolate. Copy and complete the table.

Dark	Milk	White	Mint
0.15	0.35		

Step 9: Probability Scale

Why does the probability scale end at 1?

Step 8: Probability of a single event

What does 'random' mean?

Step 7: Sample Spaces

Write the sample space for the possible outcomes when a letter is picked at random from the word probability.

Step 6: Vocabulary of Probability

Give an example of an experiment with two outcomes that are **not** equally likely.

Step 5 (H): Complement of a set

If ξ = (Integers between 1 and 20). Write down the elements in the complement of the set A = (factors of 15).

Step 4: Union of sets

$A = (-10, -8, -6, -5, -4, -2, 0)$
 $B = (-2, -1, 0, 1, 2)$
 Write down the sets $A \cap B$ and $A \cup B$.

Step 3: Intersection of sets

What does the overlapping region intersect?

Step 2: Interpret and create Venn diagrams

Complete a Venn diagram for:
 $\xi = (0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10)$
 A = (even numbers)
 B = (factors of 10)

Step 1: Identify and represent sets

What makes a group of objects a set?

 Achievement  resilience

 Community  PERSEVERANCE **Pride** 

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