

Unit 6: Probability & Statistics - Extra Practice

Learning Target 6.1: Statistics

Skill	Helpful Videos	Extra Practice
Create charts/graphs: - Box & Whisker Plot - Scatter Plots - Frequency Tables & Histograms - Bar Graph & Dot Plot - Stem & Leaf Plot	Creating a Box and Whisker Plot (no outliers) Box & Whisker Plot Overview (not a video) Creating Frequency Tables & Histograms	Box and Whisker Plots 1 Box and Whisker Plots 2 Visualizing Data 1 Visualizing Data 2 Scatter Plots 1 - don't find the equation of the line Scatter Plots 2 - don't find the equation of the line Stem & Leaf Plots 1 Histograms
Analyze: - Mean, Median, Mode - Quartiles, IQR, Outliers - Trends, Correlations, Strength - Skewed Distribution		Center & Spread of Data 1 - skip finding the absolute deviation Center & Spread of Data 2 - skip finding the standard deviation Mean, Median, Mode, Range 1 Mean, Median, Mode, Range 2 Mean, Median, Mode, Range 3 Analyze Set of Data - Mean, Median, Mode Measures of Variation
Line of Best Fit & Real-World Context		Using Statistical Models 1 Using Statistical Models 2
Mixed Statistics Practice	Mixed Statistics Practice	

Learning Target 6.2: Counting Outcomes

Skill	Helpful Videos	Extra Practice
Outcomes and sample space & the Fundamental Counting Principle		Sample Spaces and The Counting Principle
Solve problems involving linear & circular permutations and permutations with repetitions (Different arrangements of MISSISSIPPI)		Linear Permutations Permutations Circular Permutations (plus some others)
Solve problems involving combinations		Permutations vs Combinations 1 Permutations vs Combinations 2 KEY Combinations
Mixed Counting Outcomes Practice	Mixed Counting Outcomes Practice 1 Mixed Counting Outcomes Practice 2 Mixed Counting Outcomes Practice 3 Mixed Counting Outcomes Practice 4	

Learning Target 6.3: Probability

Skill	Helpful Videos	Extra Practice
Find simple probability and odds of events Differentiate between theoretical probability and experimental probability and find each type of probability		• Probability & Odds
Find the probability of dependent/independent events Find conditional probabilities		• Multiplying Probabilities 1 KEY • Multiplying Probabilities 2
Find the probability of mutually inclusive/exclusive events		• Adding Probabilities
Mixed Probability Practice	• Mixed Probability Practice 1 • Mixed Probability Practice 2 • Mixed Probability Practice 3 • Mixed Probability Practice 4	