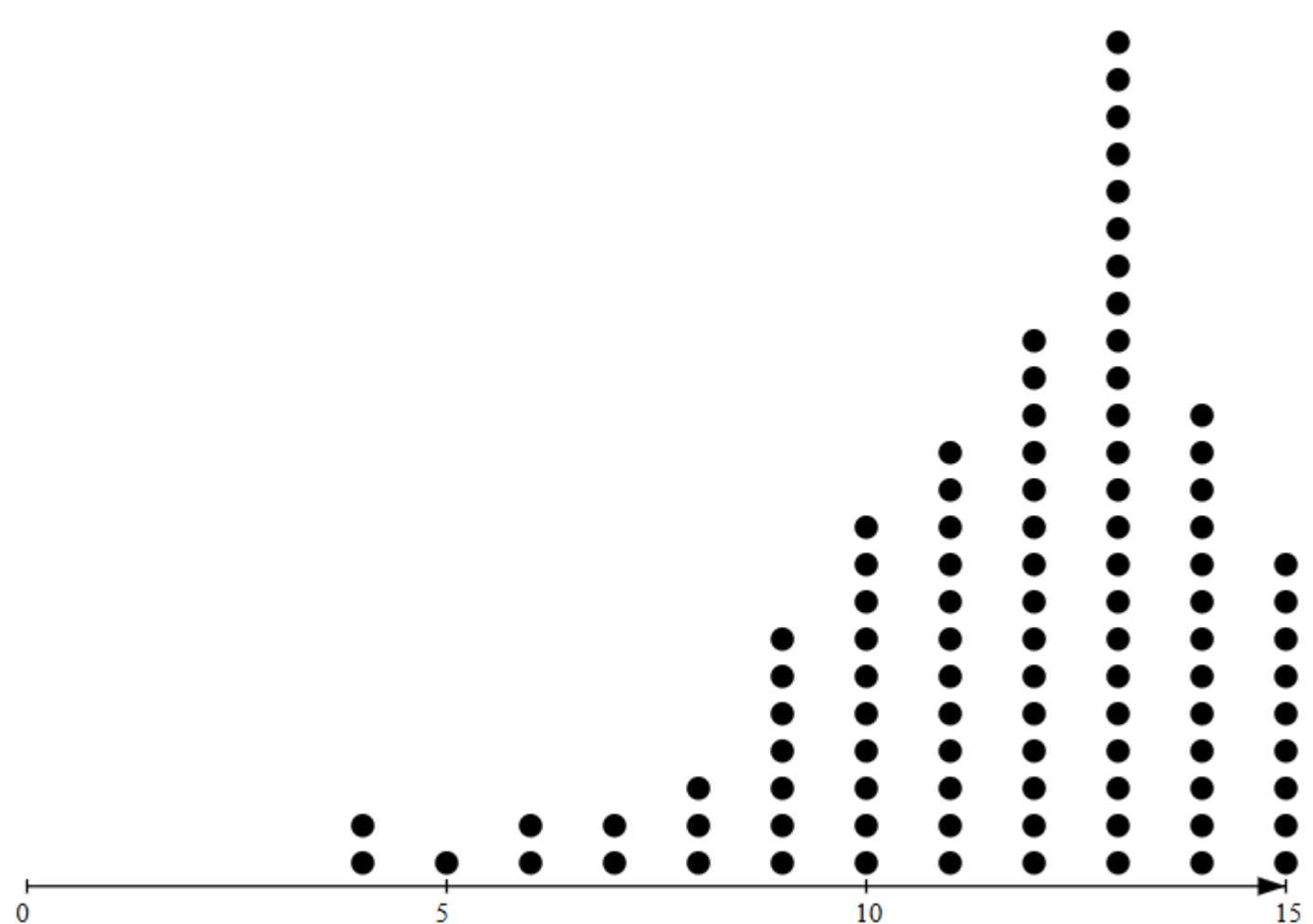


TODAY'S WARMUP

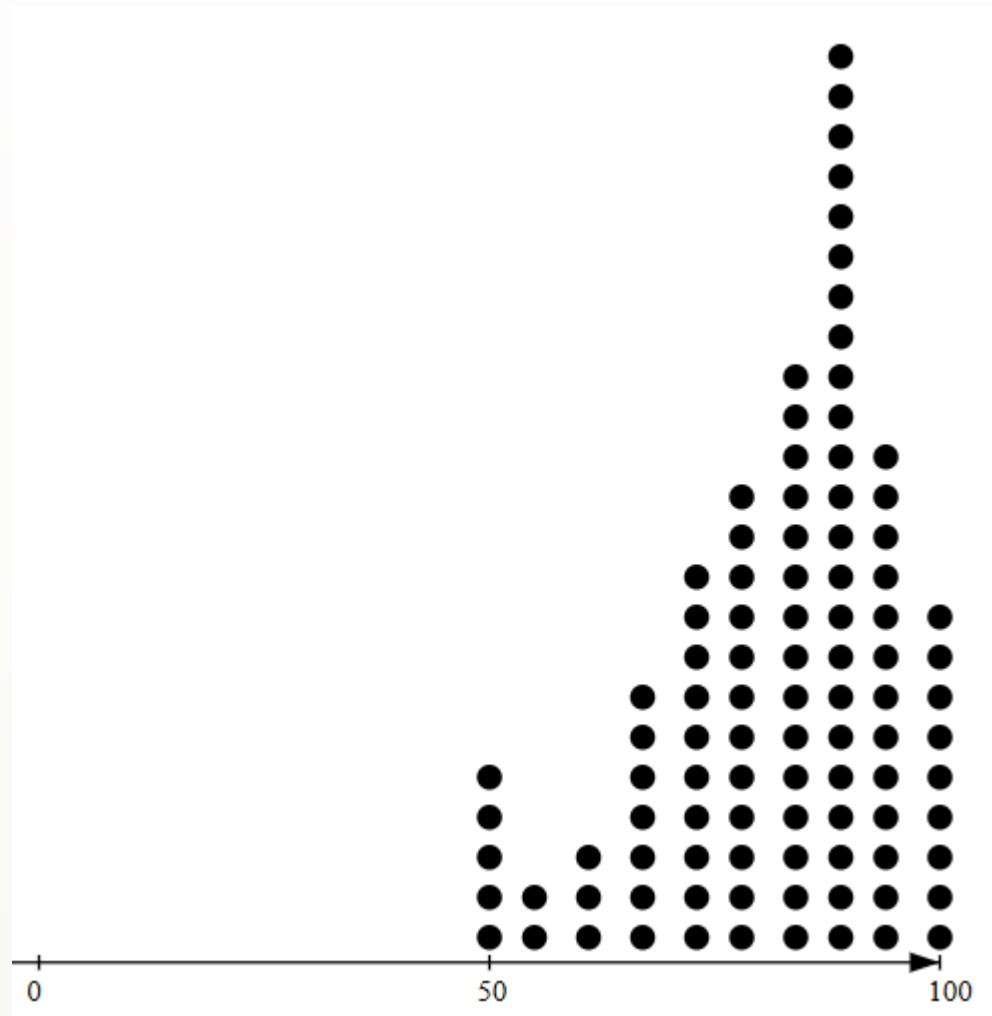
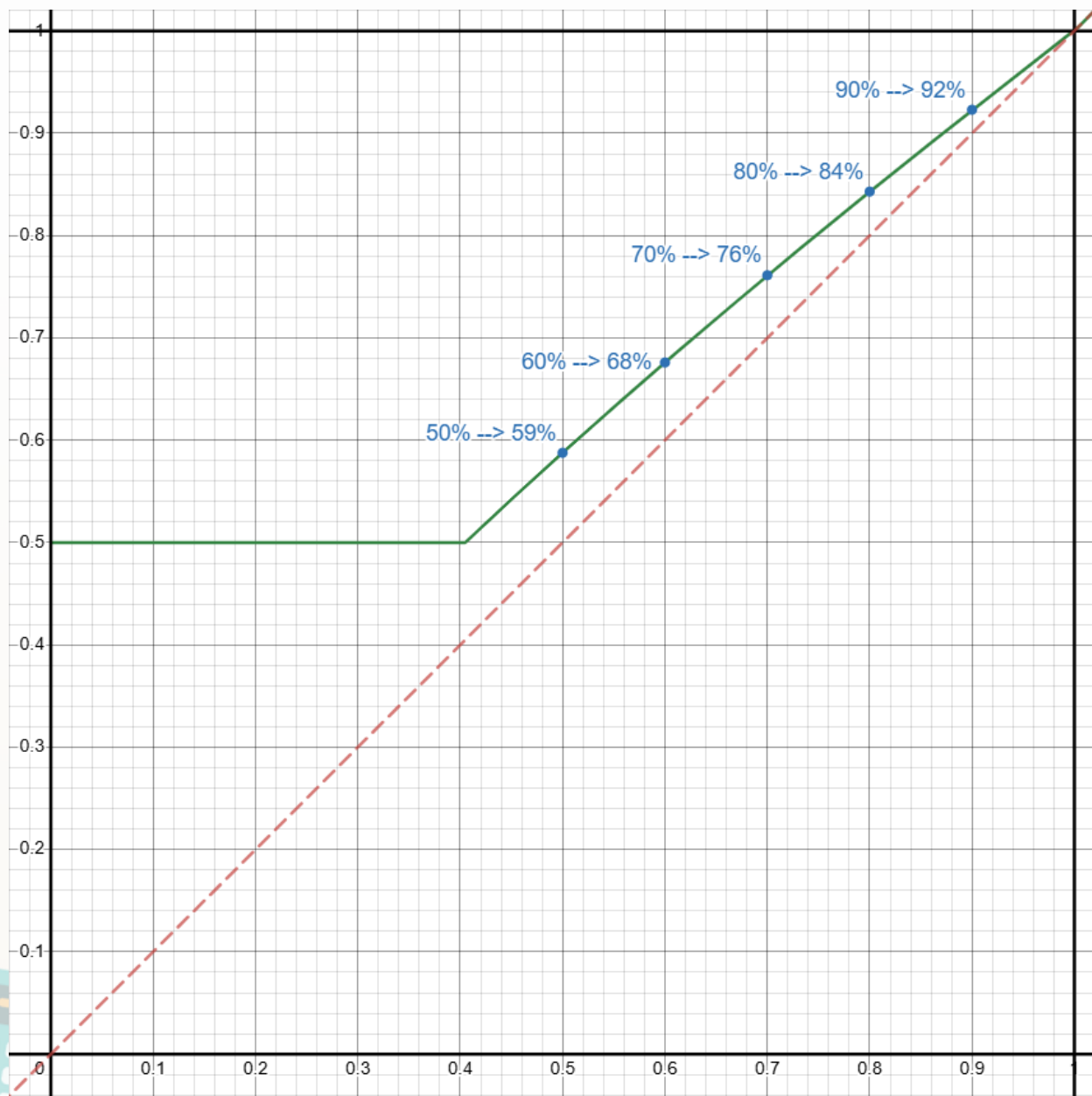
116 students take an exam. A quarter of the girls and one seventh of the boys failed the exam. 93 students passed it! What proportion of those that took the exam are girls? (Round to 3 decimal places)

Unit 1A Quiz Reflection



Minimum	min = 4
Maximum	max = 15
Range	R = 11
Size	n = 99
Sum	sum = 1154
Mean	$\mu = 11.6565657$
Median	$\tilde{x} = 12$
Mode	mode = 13 =
Standard Deviation	$\sigma = 2.47476809$
Variance	$\sigma^2 = 6.12447709$
Mid Range	MR = 9.5
Quartiles	Quartiles: Q ₁ --> 10 Q ₂ --> 12 Q ₃ --> 13
Interquartile Range	IQR = 3
Outliers	4, 5

Unit 1A Quiz Reflection

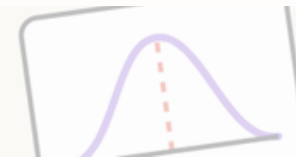
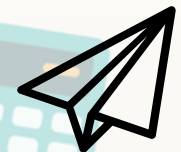


UNIT 1A – Exploring One-Variable Data

- What Can We Learn from Data?
- The Language of Variation
- Representing a Categorical Variable with Tables
- Representing a Categorical Variable with Graphs
- Representing a Quantitative Variable with Graphs
- Describing the Distribution of a Quantitative Variable

UNIT 1B – Collecting Data

- The Investigative Question & Data Collection
- Random Sampling
- Potential Problems with Sampling (Bias)
- Experimental Design



TODAY'S WARMUP

An animal shelter has 24 more cats than dogs. After 6 additional dogs arrive, the shelter has twice as many cats as dogs. What proportion of the shelter's original animals were dogs? (Round to 3 decimal places)

TODAY'S WARMUP

A farm has 34 chickens and rabbits altogether. Counting every animal's legs, there are 94 legs in total. What proportion of the animals are rabbits? (Round to 3 decimal places)

TODAY'S WARMUP

Students took one of two versions of a quiz. The average score on Version A was 84, while the average score on Version B was 72. The average score for all students was 77.5. What proportion of the students took Version A? (Round to 3 decimal places)

TODAY'S WARMUP (Round to 3 decimal places)

1. A jar contains 56 coins, all of which are dimes or quarters. The coins have a total value of \$10.10. What proportion of the coins are quarters?
2. Students took one of two versions of a quiz. The average score on Version A was 75, while the average score on Version B was 81. The average score for all students was 79. What proportion of the students took Version A?

TODAY'S WARMUP

A school surveyed 180 students about how they travel to school. Each student either takes the bus, rides in a car, or walks. Twice as many students take the bus as walk, and 24 more students ride in a car than walk. What proportion of the students take the bus? (Round to 3 decimal places)

TODAY'S WARMUP

A theater sold 240 tickets consisting of adult, student, and senior tickets.

- Adult tickets cost \$12.
- Student tickets cost \$8.
- Senior tickets cost \$6.
- The theater collected \$2,200 altogether.
- It sold 40 more adult tickets than senior tickets.

What proportion of the tickets sold were student tickets?
(Round to 3 decimal places)

TODAY'S WARMUP

A bakery prepared 90 boxes of cupcakes in three sizes:

- Small boxes contain 4 cupcakes.
- Medium boxes contain 6 cupcakes.
- Large boxes contain 10 cupcakes.
- The bakery used 580 cupcakes altogether and prepared 10 more medium boxes than large boxes.

What proportion of the boxes were large? (Round to 3 decimal places)