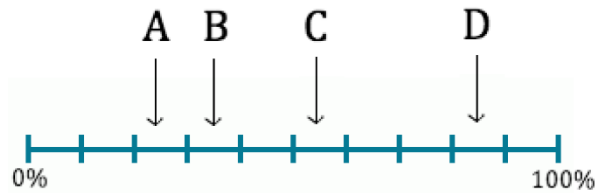


1. What point on the line closest to 78%? _____



2. In a school, 75% of students passed this year.
What percentage of students failed? _____

3. If 7% of students in a university are post graduates,
what percentage of the students are undergraduates? _____

4. All boys at a certain high school play basketball, tennis, or volleyball. If 10% play basketball, and 35% play tennis,
find the percentage of boys who play volleyball. _____

5. What percentage of *Figure 1* is shaded blue? _____

6. What percentage of *Figure 2* is shaded blue? _____

7. What percentage of the triangles in *Figure 3* are shaded green? _____

Figure 1

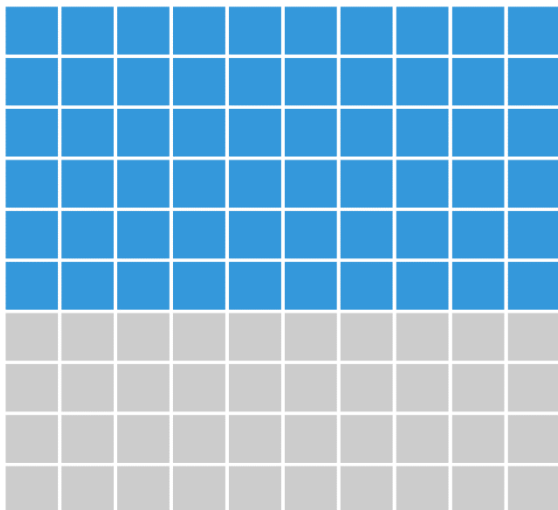


Figure 2

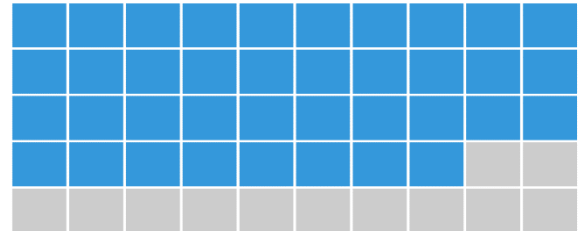


Figure 3



Name _____

Math 7: Finding and Comparing Percentages

8. Consider the fraction $\frac{145}{500}$.
- a. First, convert this to a fraction with a denominator of 100. _____
- b. Next, convert it to a percentage. _____
9. Express the fraction $\frac{7}{10}$ as a percentage. _____
10. Express the fraction $\frac{29}{50}$ as a percentage. _____
11. What percentage is 8 out of 32? _____
12. What percentage is 3 out of 150? _____
13. What percentage is 6 out of 17?
Round your percentage to 2 decimal places. _____
14. There are 16 boys and 8 girls in a class.
- a. Find the total number of students in the class. _____
- b. What percentage of the class is boys?
Round your percentage to 2 decimal places. _____
- c. What percentage of the class is girls?
Round your percentage to 2 decimal places. _____

Name _____

Math 7: Finding and Comparing Percentages

15. Convert the decimal 0.26 to a percentage. _____

16. Convert the decimal 0.6 to a percentage. _____

17. Convert the decimal 0.079 to a percentage. _____

18. Convert the decimal 0.996 to a percentage. _____

19. You ran for 36 minutes during a 4-hour hike.
What percent of this hike did you run? _____

20. During a 5-hour drive, you talked to your friend for 12 minutes.
What percent of the time did you talk to them for? _____

21. Compare 0.31 and 45%.
a. First convert 0.31 to a percentage. _____

b. Which of the two values is greater? 45% or 0.31 _____

22. Compare 4.3 and 429%.

a. First convert 4.3 to a percentage. _____

b. Which of the two values is greater? 4.3 or 429% _____

23. Consider the statement: $\frac{43}{50} > 59\%$

a. First convert $\frac{43}{50}$ into a percentage. _____

b. Is the statement $\frac{43}{50} > 59\%$ true or false? _____

24. Consider the statement: $\frac{27}{20} > 141\%$

a. First convert $\frac{27}{20}$ into a percentage. _____

b. Is the statement $\frac{27}{20} > 141\%$ true or false? _____

25. Consider the following numbers: 0.87, $\frac{31}{50}$, 40%

a. First convert 0.87 into a percentage. _____

b. Now convert $\frac{31}{50}$ to a percentage. _____

c. Therefore, arrange the numbers 0.87, $\frac{31}{50}$, and 40% in ascending order.

_____, _____, _____