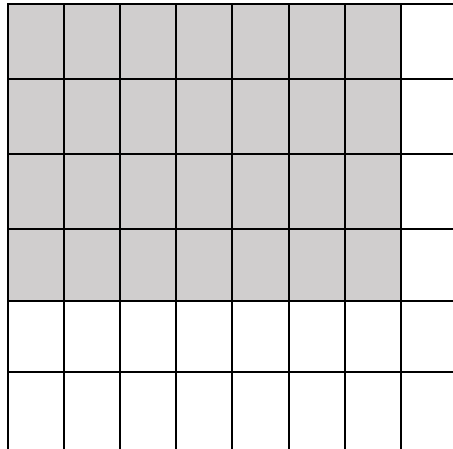


Name _____

Date _____

Visual Diagrams as Fractions, Decimals, and Percentages Lesson

Write a fraction, decimal, and percentage below to describe the shaded area of the figure below.



Fraction = _____ Decimal = _____ Percentage = _____

Step 1) Determine the total number of boxes in the figure.

There are 8 columns and 6 rows. $8 \times 6 = 48$ total boxes.

Step 2) Determine the total number of shaded boxes in the figure.

There are 7 columns and 4 rows. $7 \times 4 = 28$ total boxes.

Step 3) Determine the fraction of shaded area = $\frac{\text{shaded}}{\text{total boxes}} = \frac{28}{48}$

Step 4) Decimal = fraction division operation = $\frac{28}{48} = 0.58$

Step 5) Percentage = Decimal value $\times 100 = 0.58 \times 100 = 58\%$

