

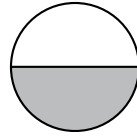
**• Fractions, Decimals, and Percents**

- A part of a whole can have different names.

$\frac{1}{2}$  of the circle is shaded.

0.5 of the circle is shaded.

50% of the circle is shaded.



- Any fractional part can be written as a fraction, a decimal, or a percent.

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**Practice:**

Use fraction pieces to help you answer the following questions. Remember to write the percent symbol if necessary.

1.  $\frac{1}{2}$  is equal to **A** 40% **B** 5% **C** 50% \_\_\_\_\_
2. Write the decimal number for 50%. \_\_\_\_\_
3.  $\frac{2}{5}$  is equal to **A** 20% **B** 25% **C** 40% \_\_\_\_\_
4. Write the decimal number for  $\frac{2}{5}$ . \_\_\_\_\_
5.  $\frac{1}{3}$  is equal to **A** 13% **B**  $33\frac{1}{3}\%$  **C** 66% \_\_\_\_\_
6. Write the decimal number for  $\frac{3}{4}$ . \_\_\_\_\_

Compare.

7. 0.215 ○ 0.210

8. 0.54 ○ 0.540

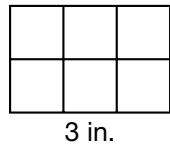
9. 34% ○ 67%

10. 12.5% ○ 125%

- **Area, Part 1**

- Area of a rectangle = length  $\times$  width
- “Cover” is a keyword for “area”.
- Label **square units**. The abbreviation for “square” is “sq”.

**Example:**



$$\text{Area} = 3 \text{ in.} \times 2 \text{ in.} = 6 \text{ sq. in.}$$

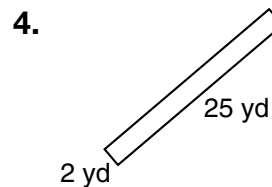
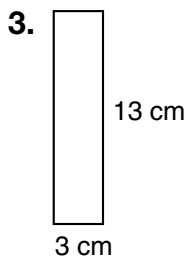
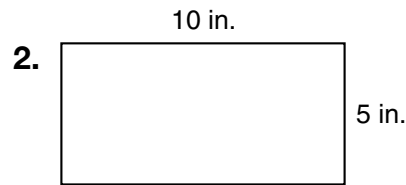
- To estimate the area of a rectangle, round the length and width before multiplying.

**Example:**

$$\begin{array}{r} 13 \text{ ft } 7 \text{ in.} \rightarrow 14 \text{ ft} \\ 12 \text{ ft } 2 \text{ in.} \rightarrow \times 12 \text{ ft} \\ \hline 168 \text{ sq. ft} \end{array}$$

**Practice:**

What is the area of each rectangle? Remember to write the units.



5. Marta’s kitchen is 11 feet wide and 14 feet long. What is the area of the room?  
\_\_\_\_\_

6. Estimate the area of your desktop. Measure the length and width of your desktop to the nearest inch before calculating the area. \_\_\_\_\_