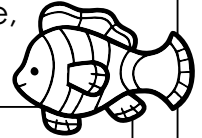


Name: \_\_\_\_\_

# Making Stacked Percent Bar Graphs

Percent bar graphs show what percent of the whole each value, value range, or category of data represents. They pair with relative frequency tables.



## Step 1.

Find the percent relative frequencies. If they are listed as decimals, multiply by 100 to convert to percent. If they are not listed at all, divide each frequency by the total data set size, then multiply by 100.

| Kinds of Fish Tanks |           |   |
|---------------------|-----------|---|
| Kind                | Frequency | Relative Frequency                                |
| brackish            | 15        | $15 \div 300 = 0.05$<br>$0.05 \times 100 = 5\%$   |
| freshwater          | 210       | $210 \div 300 = 0.70$<br>$0.70 \times 100 = 70\%$ |
| saltwater           | 75        | $75 \div 300 = 0.25$<br>$0.25 \times 100 = 25\%$  |

## Step 2.

Make one horizontal or vertical bar with a percent scale. Mark off segments for each




# Preview

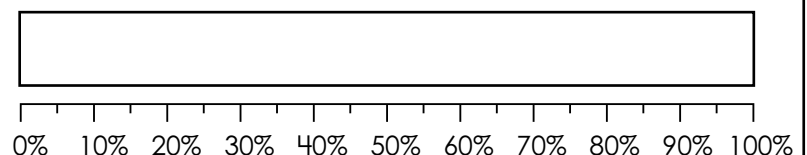
Please log in to download the printable version of this worksheet.

Use the data in the tables to complete the stacked percent bar graphs. Fill in the keys.

1.

| Favorite Meal  |           |                    |
|---|-----------|--------------------|
| Meal  | Frequency | Relative Frequency |
| breakfast   | 63        | 35%                |
| lunch   | 45        | 25%                |
| dinner  | 72        | 40%                |

**Favorite Meal**



## Key

- ☐ = breakfast
- ☐ = lunch
- ☐ = dinner

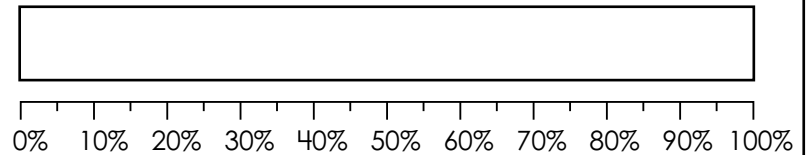
Name: \_\_\_\_\_

# Making Stacked Percent Bar Graphs

2.

| Science Binder Color |           |                    |
|----------------------|-----------|--------------------|
| Color                | Frequency | Relative Frequency |
| black                | 4         | 0.20               |
| blue                 | 2         | 0.10               |
| green                | 10        | 0.50               |
| white                | 3         | 0.15               |
| yellow               | 1         | 0.05               |

Science Binder Color



**Key**

- ☐ = black
- ☐ = blue
- ☐ = green
- ☐ = white



# Preview

Please log in to download the printable version of this worksheet.

|             |     |  |
|-------------|-----|--|
| Ms. Alvarez | 120 |  |
| Mr. Conway  | 90  |  |
| Mrs. Moon   | 60  |  |
| Ms. Vang    | 150 |  |
| Mr. Wiggins | 180 |  |

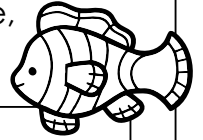
**Key**

- ☐ = Ms. Alvarez
- ☐ = Mr. Conway
- ☐ = Mrs. Moon
- ☐ = Ms. Vang
- ☐ = Mr. Wiggins

# ANSWER KEY

## Making Stacked Percent Bar Graphs

Percent bar graphs show what percent of the whole each value, value range, or category of data represents. They pair with relative frequency tables.



### Step 1.

Find the percent relative frequencies. If they are listed as decimals, multiply by 100 to convert to percent. If they are not listed at all, divide each frequency by the total data set

| Kinds of Fish Tanks |           |   |
|---------------------|-----------|---|
| Kind                | Frequency | Relative Frequency                              |
| brackish            | 15        | $15 \div 300 = 0.05$<br>$0.05 \times 100 = 5\%$ |
| freshwater          | 210       | $210 \div 300 = 0.70$                           |

# Preview

Please log in to download  
the printable version of this worksheet.



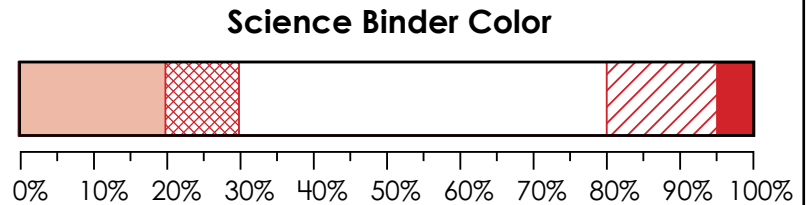
= dinner

# ANSWER KEY

## Making Stacked Percent Bar Graphs

2.

| Science Binder Color |           |                    |
|----------------------|-----------|--------------------|
| Color                | Frequency | Relative Frequency |
| black                | 4         | 0.20               |



# Preview

Please log in to download  
the printable version of this worksheet.

