**Analyzing Drops**

1. Record how many drops of each liquid the penny can hold before spilling over.

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| **Water** |
| **Trial #** | **# of Drops** |
| 1 | 8 |
| 2 | 10 |
| 3 | 7 |

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| --- |
| **Alcohol** |
| **Trial #** | **# of Drops** |
| 1 | 5 |
| 2 | 7 |
| 3 | 5 |

|  |
| --- |
| **Oil** |
| **Trial #** | **# of Drops** |
| 1 | 2 |
| 2 | 5 |
| 3 | 3 |

1. In the space below, calculate the average # of drops for each liquid.

$$\# of Drops\_{avg}=\frac{(D\_{1}+ D\_{2}+ D\_{3})}{3}$$

**Water:**

$\# of Drops\_{avg}=\frac{(8+ 10+ 7)}{3}=8.33$ drops

**Alcohol:**

$\# of Drops\_{avg}=\frac{(5+ 7+ 5)}{3}=5.67 $drops

**Oil:**

$\# of Drops\_{avg}=\frac{(2+ 5+ 3)}{3}=3.33$ drops

1. Create a bar graph of the average number of drops for the water, alcohol, and oil.