

Analyzing Drops

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

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

Alcohol	
Trial #	# of Drops
1	5
2	7
3	5

Oil	
Trial #	# of Drops
1	2
2	5
3	3

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

$$\# \text{ of } Drops_{avg} = \frac{(D_1 + D_2 + D_3)}{3}$$

Water:

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

Alcohol:

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

Oil:

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

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

