

W-A2 Algebra 2 10/26

24.)

$$P(\text{Gyoza}) = \frac{20}{80} = \boxed{\frac{1}{4}}$$

$$P(\text{lasagna or pizza}) = \frac{24+6}{80} = \frac{30}{80} = \boxed{\frac{3}{8}}$$

$$P(\text{not chocolate}) = \frac{80-18}{80} = \frac{62}{80} = \frac{31}{40} = \boxed{\frac{31}{40}}$$

Favorite food	#
Mac N cheese	12
chocolate	18
Gyoza	20
lasagna	6
pizza	24
<u>total</u>	<u>80</u>

25.)

P(mac n'cheese and then pizza with replacing)

$$\left( \frac{12}{80} \cdot \frac{24}{80} \right) = \frac{3}{20} * \frac{3}{10} = \boxed{\frac{9}{200}}$$

Favorite food	#
Mac N cheese	12
chocolate	18
Gyoza	20
lasagna	6
pizza	24
<u>total</u>	<u>80</u>

P(lasagna and then chocolate without replacing)

$$\left( \frac{6}{80} * \frac{18}{79} \right) = \frac{3}{40} * \frac{18}{79} = \frac{3}{20} * \frac{9}{79} = \boxed{\frac{27}{1580}}$$

