Please complete problems \#40 \& 42 on page 309.


5 blue 9 white

$$
\begin{aligned}
& P(\text { Blue })=\frac{5}{14} \\
& P(\text { white })=\frac{9}{14}
\end{aligned}
$$

2 chips w/replacement


Platlast one whitechip)=

$$
\frac{81}{196}+\frac{45}{196}+\frac{45}{196} \text { OR } 1-\frac{25}{196}=\frac{171}{196}
$$

$$
P(\text { at least one blue })=1-\frac{81}{196}=\frac{115}{196}
$$

5B,9W draw 2 Not Rep.


$$
\left.\begin{array}{l}
P(B B)=\frac{20}{182} \\
P(B W)=\frac{45}{182} \\
P(W B)=\frac{45}{182} \\
P(W W)=\frac{72}{182}
\end{array}\right\}^{\text {wm }}
$$

$$
P(W \mid B)
$$

$P($ select W given that we selected $B)$

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8. A computer store stocks the computers according to the following chart:

a) a Mac $\frac{20}{1 / 6}$
b) a Dell or HP $\frac{96}{116}$
d) a Mac laptop

c) a laptop $\frac{57}{116}$
d) a Dep or desktop $39+32+8$

9. A classroom with 30 students contains White students, Asian Students, and AfricanAmercan students. These students have either black Hair, brown hair, or blond hair. Following is a chart, partially filled in. First complete the chart. A st eden $a_{s}$ chosen at random. You are given two events with a connector (or / and). Determine if the two verents are disjoint and then find the probability of the event.

| White $\Delta f-\Delta$ mar $\Delta$ sian $\mid$ Total |
| :---: | :--- | :--- |

