

Challenge 1.

Rosie is calculating $16 - 7$



Which of these methods is most helpful?
Why?

$$\begin{array}{c} 16 - 7 \\ \swarrow \quad \searrow \\ (8) \quad (8) \end{array}$$

$$\begin{array}{c} 16 - 7 \\ \swarrow \quad \searrow \\ (3) \quad (4) \end{array}$$

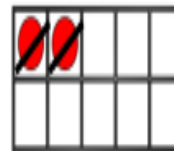
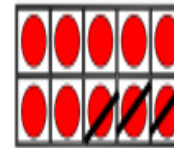
$$\begin{array}{c} 16 - 7 \\ \swarrow \quad \searrow \\ (6) \quad (1) \end{array}$$

$$\begin{array}{c} 16 - 7 \\ \swarrow \quad \searrow \\ (10) \quad (6) \end{array}$$

Could you find a way to partition 16 to help you subtract 7?

Challenge 2.

Rosie has used the ten frames to calculate $12 - 5$



$$\begin{array}{c} 12 - 5 \\ \swarrow \quad \searrow \\ (2) \quad (3) \end{array}$$

$$\boxed{10} - \boxed{3} = \boxed{7}$$

Use her method to complete:

$$\begin{array}{c} 17 - 8 \\ \swarrow \quad \searrow \\ (7) \quad () \end{array}$$

$$\boxed{10} - \boxed{} = \boxed{}$$

$$\begin{array}{c} 15 - 7 \\ \swarrow \quad \searrow \\ (5) \quad () \end{array}$$

$$\boxed{} - \boxed{} = \boxed{}$$

$$\begin{array}{c} 14 - 9 \\ \swarrow \quad \searrow \\ () \quad () \end{array}$$

$$\boxed{} - \boxed{} = \boxed{}$$