
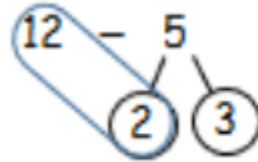
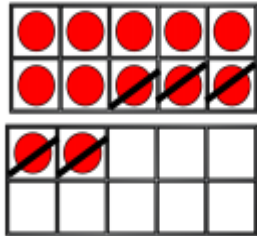


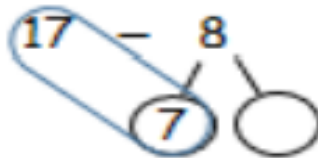
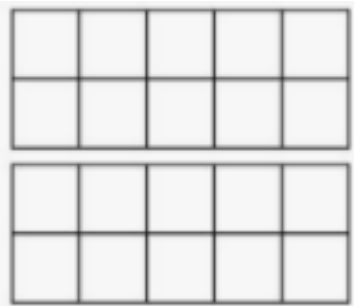
**Challenge 1**

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

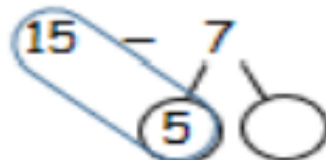
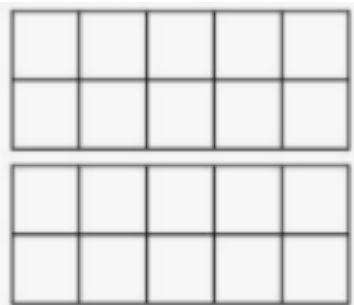


$$\boxed{10} - \boxed{3} = \boxed{7}$$

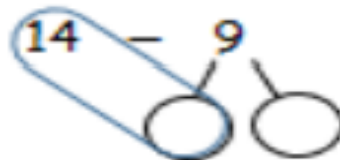
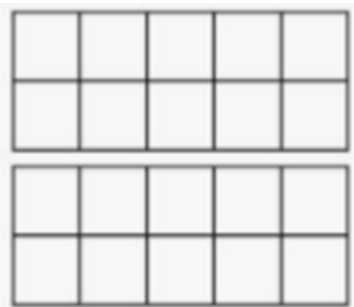
Use her method to complete:



$$\boxed{10} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



$$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



$$\boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

## Challenge 2

Rosie is calculating  $16 - 7$



Which of these methods is most helpful?  
Why?

$$\begin{array}{r} 16 - 7 \\ \swarrow \quad \searrow \\ \textcircled{8} \quad \textcircled{8} \end{array}$$

$$\begin{array}{r} 16 - 7 \\ \swarrow \quad \searrow \\ \textcircled{3} \quad \textcircled{4} \end{array}$$

$$\begin{array}{r} 16 - 7 \\ \swarrow \quad \searrow \\ \textcircled{6} \quad \textcircled{1} \end{array}$$

$$\begin{array}{r} 16 - 7 \\ \swarrow \quad \searrow \\ \textcircled{10} \quad \textcircled{6} \end{array}$$

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## Challenge 3

Teddy works out  $15 - 6$   
This is Teddy's working out:



$$15 - 5 = 10 - 1 = 9$$

Why is Teddy's working out wrong?

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