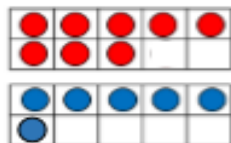


Challenge 1.

Dexter uses ten frames to calculate eight plus six.



He says,



$$8 + 6 = 16$$

Do you agree?
Explain why.

Annie is calculating $8 + 6$
Which of these methods is most helpful?
Why?

$$\begin{array}{r} 8 + 6 \\ \swarrow \searrow \\ 5 \quad 1 \end{array}$$

$$\begin{array}{r} 8 + 6 \\ \swarrow \searrow \\ 4 \quad 2 \end{array}$$

$$\begin{array}{r} 8 + 6 \\ \swarrow \searrow \\ 6 \quad 2 \end{array}$$

$$\begin{array}{r} 8 + 6 \\ \swarrow \searrow \\ 4 \quad 4 \end{array}$$

Challenge 2.

Teddy and Eva are adding together 7 and 8 using a number line.

Teddy shows it this way:



Eva shows it this way:



Who is correct?
Explain your answer.