

Mystery subtraction

Complete the first subtraction.

Find the missing numbers in the second subtraction.

$$\begin{array}{r} 1 \quad \begin{array}{r} 300 \quad 120 \\ 400 \quad 30 \quad 14 \\ - 200 \quad 80 \quad 6 \\ \hline 100 + 40 + 8 = 148 \end{array} \end{array}$$

$$\begin{array}{r} 2 \quad \begin{array}{r} 400 \quad 130 \\ 500 \quad 40 \quad 13 \\ - 200 \quad 60 \quad 8 \\ \hline 200 \quad 70 \quad 5 \end{array} \end{array}$$

Complete these subtractions.

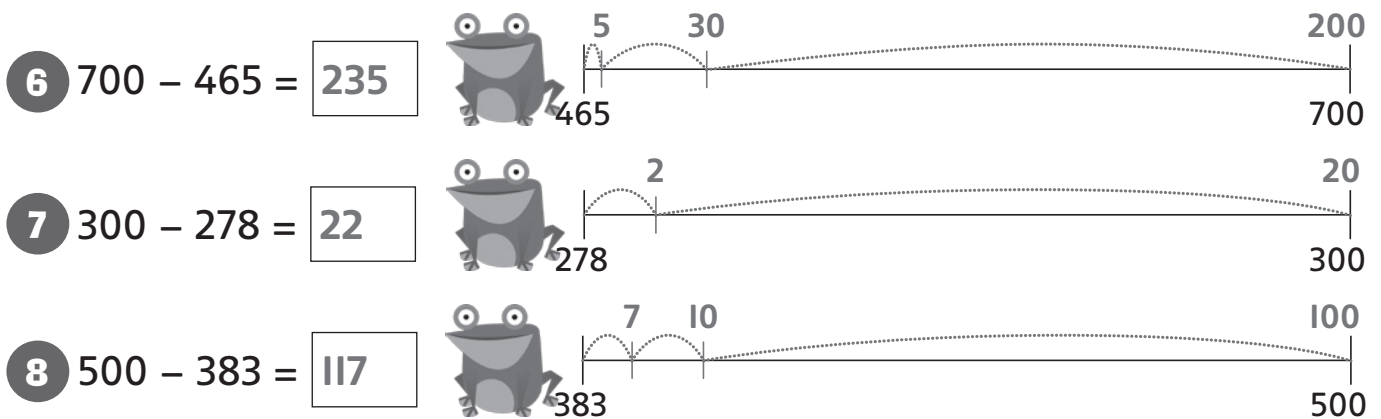
$$\begin{array}{r} 3 \quad \begin{array}{r} \quad \quad 60 \\ 600 \quad 70 \quad 14 \\ - 200 \quad 50 \quad 8 \\ \hline 400 + 10 + 6 = 416 \end{array} \end{array}$$

$$\begin{array}{r} 5 \quad \begin{array}{r} 100 \\ 200 \quad 120 \quad 9 \\ - 100 \quad 50 \quad 4 \\ \hline 0 + 70 + 5 = 75 \end{array} \end{array}$$

$$\begin{array}{r} 4 \quad \begin{array}{r} 300 \quad 140 \\ 400 \quad 50 \quad 13 \\ - 200 \quad 60 \quad 8 \\ \hline 100 + 80 + 5 = 185 \end{array} \end{array}$$

Frog subtractions

Use Frog to complete these subtractions:



Subtraction methods challenge!

- 9 The boa constrictor is 2 m long. The python is 165 cm. How much longer is the boa constrictor?



Children should ideally use Frog to work this out.

$$200 - 165 = 35 \text{ cm}$$

What is the best way to work this out?



- 10 Explain why it might be better to do $1000 - 767$ using Frog and $985 - 767$ using column subtraction.



Children should say something like the following in their answers:

Column subtraction is tricky for $1000 - 767$ because we are subtracting from a multiple of 100, and because 1000 has three zeros, if you use column subtraction you will have to move 1000 to the hundreds place, 100 to the tens place and 10 to the 1s place to subtract the ones digit. As we are subtracting from a multiple of 1000, it is very easy to count up using Frog, as we simply hop 33 and then 200.

I found this:



Easy



Challenging



I needed help