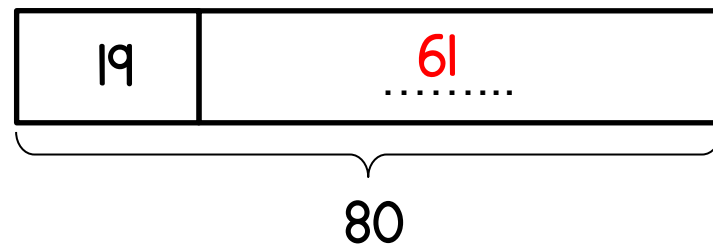
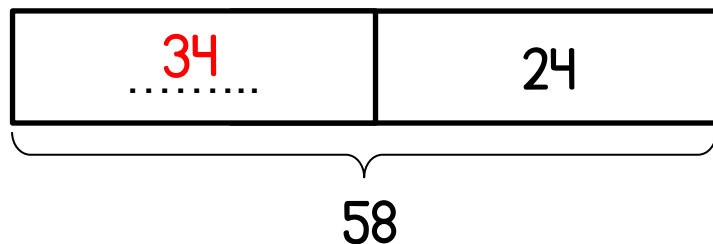
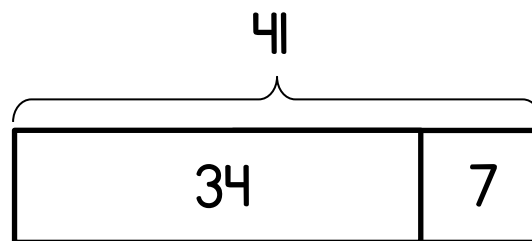


# Bar Models I

1 Work out the missing values.

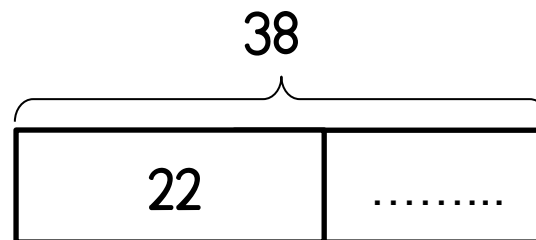


2 Use the diagram to complete the number sentences.



$$\begin{array}{r} 34 + 7 = 41 \\ \dots + \dots = \dots \\ 7 + 34 = 41 \\ \dots + \dots = \dots \\ 41 - 7 = 34 \\ \dots - \dots = \dots \\ 41 - 34 = 7 \\ \dots - \dots = \dots \end{array}$$

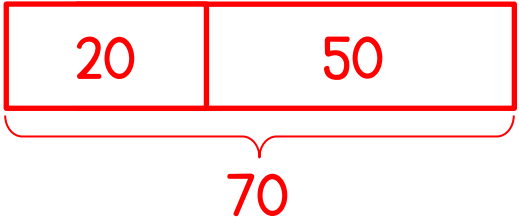
3 Complete all the missing values.



$$\begin{array}{r} 22 + 16 = 38 \\ \dots + \dots = \dots \\ 16 + 22 = 38 \\ \dots + \dots = \dots \\ 38 - 16 = 22 \\ \dots - \dots = \dots \\ 38 - 22 = 16 \\ \dots - \dots = \dots \end{array}$$

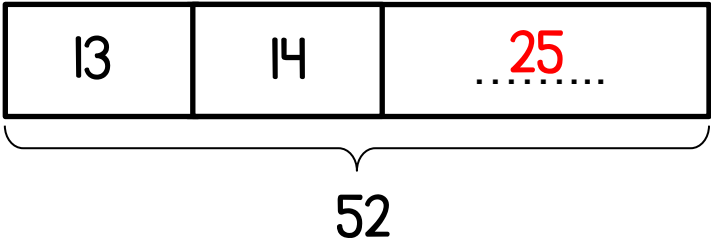
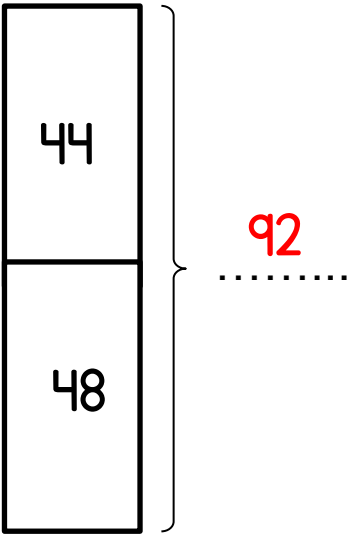
4

Draw a bar model for  $20 + 50 = 70$



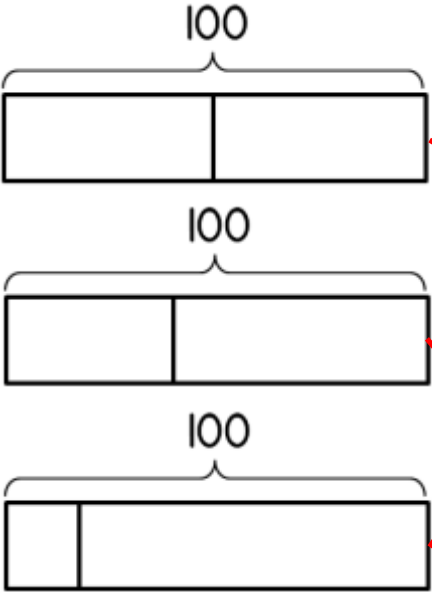
5

Work out the missing values.



6

Match the diagram to the number sentence.



This question can be used to discuss issues around proportionality of bars.

$50 + 50 = 100$

$15 + 85 = 100$

$40 + 60 = 100$

7

Work out the missing values.

