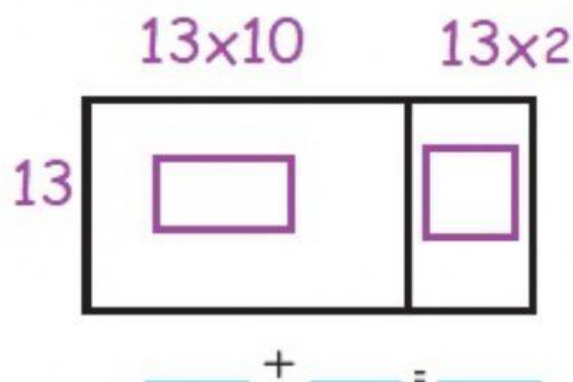


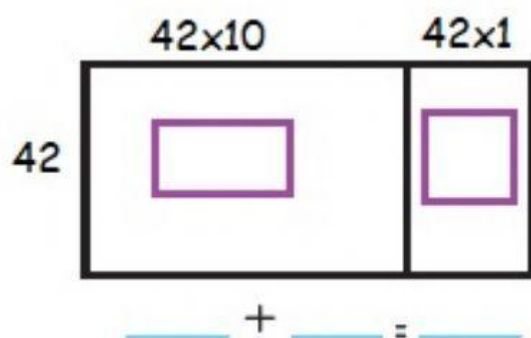
Distributive property to multiply

Name:

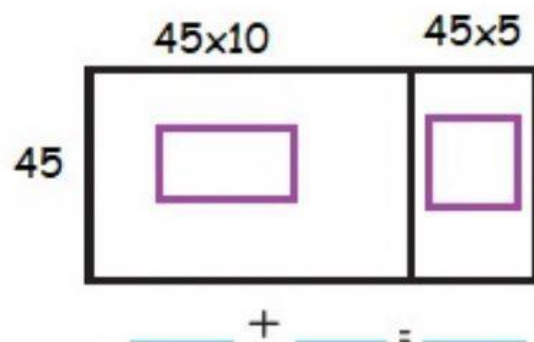
$$\begin{aligned}
 13 \times 12 &= 13 \times (10 \times 2) \\
 &= (13 \times 10) + (13 \times 2) \\
 &= \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \\
 &= \underline{\hspace{2cm}}
 \end{aligned}$$



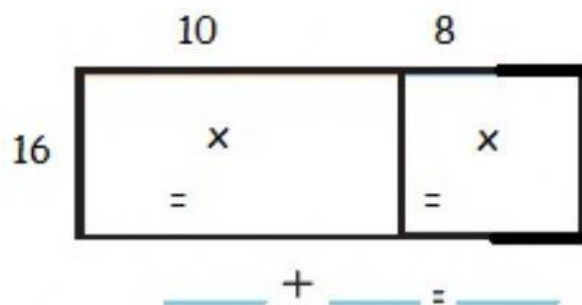
$$\begin{aligned}
 42 \times 11 &= 42 \times (10 \times 1) \\
 &= (42 \times 10) + (42 \times 1) \\
 &= \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \\
 &= \underline{\hspace{2cm}}
 \end{aligned}$$



$$\begin{aligned}
 45 \times 15 &= 45 \times (40 \times 5) \\
 &= (\textcolor{violet}{45} \times \textcolor{violet}{40}) + (\textcolor{violet}{45} \times \textcolor{violet}{5}) \\
 &= \underline{\hspace{2cm}} + \underline{225} \\
 &= \underline{\hspace{2cm}}
 \end{aligned}$$



Write the multiplication sentence for the area model. Then find the product.



$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$