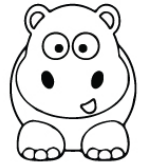


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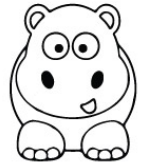
# Solve Using Distributive Property

Simplify each expression below using the distributive property. Show your work.

1 $14 \times 8$	2 $4 \times 12$	3 $18 \times 4$
4 $12 \times 10$	5 $15 \times 7$	6 $5 \times 14$
7 $2 \times 23$	8 $7 \times 24$	9 $10 \times 22$
10 $3 \times 12$	11 $3 \times 28$	12 $7 \times 14$

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Score : ..... Date : .....



# Solve Using Distributive Property

## Answers

$\begin{aligned} 1 \quad & 14 \times 8 \\ & = 14(6 + 2) \\ & = (14 \times 6) + (14 \times 2) \\ & = 84 + 28 \\ & = 112 \end{aligned}$	$\begin{aligned} 2 \quad & 4 \times 12 \\ & = 4(10 + 2) \\ & = (4 \times 10) + (4 \times 2) \\ & = 40 + 8 \\ & = 48 \end{aligned}$	$\begin{aligned} 3 \quad & 18 \times 4 \\ & = 18(2 + 2) \\ & = (18 \times 2) + (18 \times 2) \\ & = 36 + 36 \\ & = 72 \end{aligned}$
$\begin{aligned} 4 \quad & 12 \times 10 \\ & = 12(6 + 4) \\ & = (12 \times 6) + (12 \times 4) \\ & = 72 + 48 \\ & = 120 \end{aligned}$	$\begin{aligned} 5 \quad & 15 \times 7 \\ & = 15(5 + 2) \\ & = (15 \times 5) + (15 \times 2) \\ & = 75 + 30 \\ & = 105 \end{aligned}$	$\begin{aligned} 6 \quad & 5 \times 14 \\ & = 5(10 + 4) \\ & = (5 \times 10) + (5 \times 4) \\ & = 50 + 20 \\ & = 70 \end{aligned}$
$\begin{aligned} 7 \quad & 2 \times 23 \\ & = 2(20 + 3) \\ & = (2 \times 20) + (2 \times 3) \\ & = 40 + 6 \\ & = 46 \end{aligned}$	$\begin{aligned} 8 \quad & 7 \times 24 \\ & = 7(20 + 4) \\ & = (7 \times 20) + (7 \times 4) \\ & = 140 + 28 \\ & = 168 \end{aligned}$	$\begin{aligned} 9 \quad & 10 \times 22 \\ & = 10(20 + 2) \\ & = (10 \times 20) + (10 \times 2) \\ & = 200 + 20 \\ & = 220 \end{aligned}$
$\begin{aligned} 10 \quad & 3 \times 12 \\ & = 3(10 + 2) \\ & = (3 \times 10) + (3 \times 2) \\ & = 30 + 6 \\ & = 36 \end{aligned}$	$\begin{aligned} 11 \quad & 3 \times 28 \\ & = 3(20 + 8) \\ & = (3 \times 20) + (3 \times 8) \\ & = 60 + 18 \\ & = 78 \end{aligned}$	$\begin{aligned} 12 \quad & 7 \times 14 \\ & = 7(10 + 4) \\ & = (7 \times 10) + (7 \times 4) \\ & = 70 + 28 \\ & = 98 \end{aligned}$