



Associative Property: Missing Factor

Grade 3

Name: _____

Fill missing number. Match expressions. Compute product.

Example: $(3 \times \underline{\hspace{2cm}}) \times 8 = 3 \times (4 \times 8) \rightarrow \underline{\hspace{2cm}} = 4$ product 96

(1) $(2 \times \underline{\hspace{2cm}}) \times 5 = 2 \times (6 \times 5)$ _____
= _____ Product = _____

(2) $(7 \times \underline{\hspace{2cm}}) \times 2 = 7 \times (4 \times 2)$ _____
= _____ Product = _____

(3) $(5 \times \underline{\hspace{2cm}}) \times 3 = 5 \times (8 \times 3)$ _____
= _____ Product = _____

(4) $(9 \times \underline{\hspace{2cm}}) \times 6 = 9 \times (2 \times 6)$ _____
= _____ Product = _____

(5) $(4 \times \underline{\hspace{2cm}}) \times 5 = 4 \times (7 \times 5)$ _____
= _____ Product = _____

(6) $(10 \times \underline{\hspace{2cm}}) \times 4 = 10 \times (3 \times 4)$ _____
= _____ Product = _____

(7) $(\underline{\hspace{2cm}} \times 2) \times 7 = 8 \times (2 \times 7)$ _____
= _____ Product = _____



(8) $(6 \times 5) \times \underline{\hspace{2cm}} = 6 \times (5 \times 2) \underline{\hspace{2cm}}$
= $\underline{\hspace{2cm}}$ Product = $\underline{\hspace{2cm}}$

(9) $(\underline{\hspace{2cm}} \times 2) \times 3 = 11 \times (2 \times 3) \underline{\hspace{2cm}}$
= $\underline{\hspace{2cm}}$ Product = $\underline{\hspace{2cm}}$

(10) $(3 \times 9) \times \underline{\hspace{2cm}} = 3 \times (9 \times 2) \underline{\hspace{2cm}}$
= $\underline{\hspace{2cm}}$ Product = $\underline{\hspace{2cm}}$

(11) $(12 \times \underline{\hspace{2cm}}) \times 2 = 12 \times (3 \times 2)$
 $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ Product = $\underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}}$

(12) $(\underline{\hspace{2cm}} \times 4) \times 6 = 5 \times (4 \times 6) \underline{\hspace{2cm}}$
= $\underline{\hspace{2cm}}$ Product = $\underline{\hspace{2cm}}$

