



Associative Property: Equivalence

Grade 5

Name: _____

Solve for the missing factor using properties.

Example: $(9 \times 14) \times \underline{\hspace{2cm}} = (9 \times 7) \times 28 \rightarrow 9 \text{ cancels; } 14 \times \underline{\hspace{2cm}} = 7 \times 28 = 196 \rightarrow \underline{\hspace{2cm}} = 14$

(1) $(5.2 \times 10) \times \underline{\hspace{2cm}} = (13 \times 2) \times$
4

(2) $(8 \times \underline{\hspace{2cm}}) \times 3.5 = (4 \times 7) \times 7$

(3) $(\underline{\hspace{2cm}} \times 6) \times 2.5 = (9 \times 5) \times 3$

(4) $(1.2 \times 20) \times 7 = (6 \times \underline{\hspace{2cm}}) \times$
14

(5) $(15 \times 0.5) \times \underline{\hspace{2cm}} = (3 \times 2.5)$
 $\times 4$

(6) $(2.4 \times 5) \times 12 = (8 \times 9) \times$
 $\underline{\hspace{2cm}}$

(7) $(11 \times 3.5) \times \underline{\hspace{2cm}} = (7 \times 7) \times$
5.5

(8) $(\underline{\hspace{2cm}} \times 4) \times 6.5 = (13 \times 5) \times$
2

(9) $(9 \times \underline{\hspace{2cm}}) \times 1.5 = (3 \times 6) \times$
4.5

(10) $(3.2 \times 15) \times \underline{\hspace{2cm}} = (6 \times 8) \times$
3

(11) $(7 \times 0.8) \times 25 = (14 \times 5) \times$
 $\underline{\hspace{2cm}}$

(12) $(\underline{\hspace{2cm}} \times 1.2) \times 10 = (4 \times 3) \times$
2.5

