



Associative Property: Missing Factor

Grade 3

Name: _____

Multiply the two known factors, then divide that into the given product to find the missing factor.

Example: $(3 \times \underline{\quad}) \times 8 = 96 \rightarrow 3 \times 8 = 24$, then $96 \div 24 = 4$. Missing factor = 4

(1) $(10 \times \underline{\quad}) \times 6 = 120$

(2) $(\underline{\quad} \times 8) \times 6 = 432$

(3) $(4 \times \underline{\quad}) \times 4 = 128$

(4) $(10 \times \underline{\quad}) \times 10 = 500$

(5) $(3 \times \underline{\quad}) \times 3 = 18$

(6) $(5 \times \underline{\quad}) \times 10 = 450$

(7) $(6 \times \underline{\quad}) \times 9 = 540$

(8) $(8 \times \underline{\quad}) \times 8 = 192$

(9) $(\underline{\quad} \times 2) \times 10 = 140$

(10) $(\underline{\quad} \times 9) \times 10 = 540$

(11) $(4 \times \underline{\quad}) \times 3 = 120$

(12) $(\underline{\quad} \times 5) \times 7 = 315$

(13) $(9 \times \underline{\quad}) \times 8 = 144$

(14) $(\underline{\quad} \times 8) \times 5 = 360$

(15) $(\underline{\quad} \times 7) \times 3 = 42$

(16) $(\underline{\quad} \times 7) \times 8 = 280$

(17) $(7 \times \underline{\quad}) \times 10 = 630$

(18) $(7 \times \underline{\quad}) \times 6 = 84$

(19) $(8 \times \underline{\quad}) \times 4 = 160$

(20) $(3 \times \underline{\quad}) \times 6 = 180$

