



Associative Property: Missing Factor

Grade 5

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) $(\underline{\quad} \times 4) \times 5 = 140$

(2) $(10 \times \underline{\quad}) \times 4 = 80$

(3) $(\underline{\quad} \times 12) \times 6 = 360$

(4) $(9 \times \underline{\quad}) \times 2 = 144$

(5) $(3 \times \underline{\quad}) \times 3 = 36$

(6) $(\underline{\quad} \times 10) \times 6 = 420$

(7) $(5 \times \underline{\quad}) \times 6 = 180$

(8) $(11 \times \underline{\quad}) \times 6 = 264$

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

(10) $(\underline{\quad} \times 8) \times 9 = 792$

(11) $(5 \times \underline{\quad}) \times 8 = 240$

(12) $(\underline{\quad} \times 12) \times 9 = 1080$

(13) $(\underline{\quad} \times 3) \times 2 = 48$

(14) $(\underline{\quad} \times 7) \times 11 = 616$

(15) $(\underline{\quad} \times 10) \times 5 = 150$

(16) $(7 \times \underline{\quad}) \times 6 = 168$

(17) $(5 \times \underline{\quad}) \times 2 = 20$

(18) $(11 \times \underline{\quad}) \times 11 = 363$

(19) $(12 \times \underline{\quad}) \times 9 = 540$

(20) $(\underline{\quad} \times 3) \times 11 = 297$

