



Associative Property: Efficient Grouping

Grade 5

Name: _____

Compare groupings. Circle easier form. Compute product.

Example: $18 \times (25 \times 4)$ vs $(18 \times 25) \times 4 \rightarrow (25 \times 4) = 100$ so $18 \times 100 = 1800$

(1) $15 \times (20 \times 5)$ vs $(15 \times 20) \times 5$

(2) $(22 \times 25) \times 4$ vs $22 \times (25 \times 4)$

(3) $13 \times (50 \times 2)$ vs $(13 \times 50) \times 2$

(4) $(7 \times 125) \times 8$ vs $7 \times (125 \times 8)$

(5) $28 \times (5 \times 2)$ vs $(28 \times 5) \times 2$

(6) $(19 \times 25) \times 2$ vs $19 \times (25 \times 2)$

(7) $33 \times (4 \times 5)$ vs $(33 \times 4) \times 5$

(8) $(6 \times 15) \times 10$ vs $6 \times (15 \times 10)$

(9) $45 \times (20 \times 5)$ vs $(45 \times 20) \times 5$

(10) $(9 \times 10) \times 25$ vs $9 \times (10 \times 25)$

