

Name:
Grade:

Date:

Associative Property - Multiplication

Apply the Associative Property to Complete the Missing Values

1) $16 \times (\underline{\quad} \times 13) = 13 \times (\underline{\quad} \times 15)$

2) $(18 \times \underline{\quad}) \times 24 = 17 \times (24 \times \underline{\quad})$

3) $19 \times (23 \times \underline{\quad}) = (19 \times 24) \times \underline{\quad}$

4) $19 \times (24 \times \underline{\quad}) = 22 \times (\underline{\quad} \times 24)$

5) $(\underline{\quad} \times 18) \times 13 = (\underline{\quad} \times 18) \times 24$

6) $(13 \times \underline{\quad}) \times 25 = \underline{\quad} \times (19 \times 13)$

7) $24 \times (\underline{\quad} \times 16) = (16 \times 19) \times \underline{\quad}$

8) $(\underline{\quad} \times 11) \times 10 = \underline{\quad} \times (10 \times 14)$

9) $\underline{\quad} \times (23 \times 17) = 23 \times (14 \times \underline{\quad})$

10) $(\underline{\quad} \times 21) \times 20 = \underline{\quad} \times (13 \times 21)$