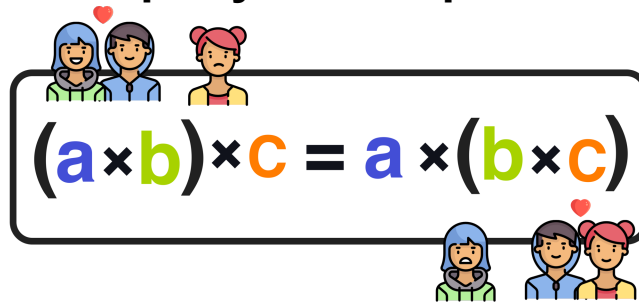


Name: _____

The Associative Property of Multiplication



Directions: Use the associative property to fill in the missing value in each example below.

- 1.) $(\underline{\quad} \times 9) \times 7 = \underline{\quad} \times (5 \times 7)$
- 2.) $(8 \times 3) \times \underline{\quad} = (\underline{\quad} \times 5) \times 8$
- 3.) $(\underline{\quad} \times 4) \times 1 = (\underline{\quad} \times 1) \times 12$
- 4.) $17 \times (\underline{\quad} \times 20) = \underline{\quad} \times (17 \times 23)$
- 5.) $(\underline{\quad} \times 37) \times 51 = 51 \times (\underline{\quad} \times 22)$
- 6.) $\underline{\quad} \times (27 \times 15) = 15 \times (\underline{\quad} \times 19)$
- 7.) $(99 \times \underline{\quad}) \times 5 = 99 \times (\underline{\quad} \times 63)$
- 8.) $(\underline{\quad} \times 9) \times 2 = (\underline{\quad} \times 17) \times 9$
- 9.) $(\underline{\quad} \times 65) \times 87 = (\underline{\quad} \times 72) \times 87$
- 10.) $\underline{\quad} \times (2 \times 100) = (2 \times 55) \times \underline{\quad}$

ANSWER KEY

- 1.) $(5 \times 9) \times 7 = 9 \times (5 \times 7)$
- 2.) $(8 \times 3) \times 5 = (3 \times 5) \times 8$
- 3.) $(12 \times 4) \times 1 = (4 \times 1) \times 12$
- 4.) $17 \times (23 \times 20) = 20 \times (17 \times 23)$
- 5.) $(22 \times 37) \times 51 = 51 \times (37 \times 22)$
- 6.) $19 \times (27 \times 15) = 15 \times (27 \times 19)$
- 7.) $(99 \times 63) \times 5 = 99 \times (5 \times 63)$
- 8.) $(17 \times 9) \times 2 = (2 \times 17) \times 9$
- 9.) $(72 \times 65) \times 87 = (65 \times 72) \times 87$
- 10.) $55 \times (2 \times 100) = (2 \times 55) \times 100$