

Name _____

Properties of Multiplication

Fill in the blanks by using the associative property of multiplication.

1) $5 \times 3 \times 6 = \underline{90}$

$15 \times \underline{6} = \underline{90}$

$\underline{5} \times 18 = \underline{90}$

3) $6 \times 5 \times 2 = \underline{60}$

$\underline{30} \times 2 = \underline{60}$

$6 \times \underline{10} = \underline{60}$

5) $8 \times 7 \times 3 = \underline{168}$

$56 \times \underline{3} = \underline{168}$

$\underline{8} \times 21 = \underline{168}$

7) $9 \times \underline{5} \times 4 = \underline{180}$

$45 \times \underline{4} = \underline{180}$

$9 \times \underline{20} = \underline{180}$

9) $\underline{12} \times 4 \times 3 = \underline{144}$

$48 \times 3 = \underline{144}$

$\underline{12} \times \underline{12} = \underline{144}$

2) $2 \times 4 \times 8 = \underline{128}$

$8 \times \underline{8} = \underline{64}$

$2 \times \underline{32} = \underline{64}$

4) $9 \times 2 \times 5 = \underline{90}$

$18 \times \underline{5} = \underline{90}$

$\underline{9} \times 10 = \underline{90}$

6) $10 \times 2 \times 7 = \underline{140}$

$\underline{20} \times 7 = \underline{140}$

$10 \times \underline{14} = \underline{140}$

8) $8 \times 12 \times 5 = \underline{480}$

$\underline{96} \times 5 = \underline{480}$

$\underline{8} \times \underline{60} = \underline{480}$

10) $3 \times \underline{9} \times 5 = \underline{135}$

$27 \times 5 = \underline{135}$

$3 \times \underline{45} = \underline{135}$