

Distributive Property Practice

1. Which of the following shows the distributive property for 24×18 ?
 - a. $(24 \times 10) \times (24 \times 8)$
 - b. $(24 \times 10) + (24 \times 8)$
 - c. $(24 \times 18) \times (18 \times 24)$
 - d. $(18 \times 10) \times (24 \times 8)$
2. Which of the following shows the distributive property for 24×8 ?
 - a. $(8 \times 20) + (8 \times 4)$
 - b. $(8 \times 20) - (8 \times 4)$
 - c. $(8 + 20) \times (8 + 4)$
 - d. $(24 \times 8) - (24 - 8)$
3. Which of the following shows the distributive property for 12×15 ?
 - a. $(10 + 10) \times (10 + 5) \times (10 + 10) \times (5 + 2)$
 - b. $(10 \times 2) + (10 \times 5)$
 - c. $(10 \times 10) + (5 \times 2)$
 - d. $(10 \times 10) + (10 \times 5) + (10 \times 10) + (5 \times 2)$
4. Fill in the blanks as if you are setting up the distributive property for 22×16 .

$$(20 \times 10) + (20 \times \underline{\hspace{2cm}}) + (2 \times 10) + (2 \times \underline{\hspace{2cm}})$$

5. Select ALL that could use the distributive property to multiply 56×45 .
 - a. $(45 \times 50) + (45 \times 6)$
 - b. $(50 \times 6) + (40 \times 5)$
 - c. $(56 \times 40) + (56 \times 5)$
 - d. $(50 \times 45) + (6 \times 5)$