

Distributive Property (Break Apart) Worksheet

3rd Grade - distributive property (break apart a factor) | 14 minutes

Name: _____ Date: _____

Break apart a factor into two easier facts, multiply each, and add the products.

Example: $7 \times 6 = (5 \times 6) + (2 \times 6) = 30 + 12 = 42$.

1. $7 \times 6 = (5 \times 6) + (2 \times 6) =$

2. $8 \times 4 = (4 \times 4) + (4 \times 4) =$

3. $6 \times 7 = (3 \times 7) + (3 \times 7) =$

4. $9 \times 5 = (5 \times 5) + (4 \times 5) =$

5. $7 \times 8 = (5 \times 8) + (2 \times 8) =$

6. $8 \times 6 = (4 \times 6) + (4 \times 6) =$

Challenge

7. Break apart 9×7 into two easier facts and solve.

8. Why does breaking apart a factor give the right answer?
