Using Distributive Property

Name: 

Use the distributive property to solve each problem.

Ex) \(8 \times 16 = (8 \times 6) + (8 \times 10) = 48 + 80 = 128\)

1) \(9 \times 15 = (9 \times 9) + (9 \times 6) = \) 

2) \(12 \times 6 = (9 \times 6) + (___ \times 6) = \) 

3) \(9 \times 15 = (9 \times 6) + (9 \times ___) = \) 

4) \(12 \times 3 = (9 \times 3) + (___ \times 3) = \) 

5) \(7 \times 13 = (7 \times 8) + (7 \times ___) = \) 

6) \(15 \times 5 = (7 \times 5) + (___ \times 5) = \) 

7) \(8 \times 17 = (8 \times 9) + (8 \times ___) = \) 

8) \(9 \times 17 = (9 \times 9) + (9 \times ___) = \) 

9) \(4 \times 16 = (4 \times 6) + (4 \times ___) = \) 

10) \(7 \times 18 = (7 \times 8) + (7 \times ___) = \) 

Answers

Ex. ____________

1. ____________

2. ____________

3. ____________

4. ____________

5. ____________

6. ____________

7. ____________

8. ____________

9. ____________

10. ____________
Using Distributive Property

Use the distributive property to solve each problem.

<table>
<thead>
<tr>
<th>Ex</th>
<th>8 × 16</th>
<th>(8 × 6) + (8 × 10)</th>
<th>48 + 80 = 128</th>
</tr>
</thead>
</table>

1) 9 × 15 = (9 × 9) + (9 × 6) = 81 + 54 = 135

2) 12 × 6 = (9 × 6) + (3 × 6) = 54 + 18 = 72

3) 9 × 15 = (9 × 6) + (9 × 9) = 54 + 81 = 135

4) 12 × 3 = (9 × 3) + (3 × 3) = 27 + 9 = 36

5) 7 × 13 = (7 × 8) + (7 × 5) = 56 + 35 = 91

6) 15 × 5 = (7 × 5) + (8 × 5) = 35 + 40 = 75

7) 8 × 17 = (8 × 9) + (8 × 8) = 72 + 64 = 136

8) 9 × 17 = (9 × 9) + (9 × 8) = 81 + 72 = 153

9) 4 × 16 = (4 × 6) + (4 × 10) = 24 + 40 = 64

10) 7 × 18 = (7 × 8) + (7 × 10) = 56 + 70 = 126

 excerpt="Answers"}

| 1. | 135 |
| 2. | 72  |
| 3. | 135 |
| 4. | 36  |
| 5. | 91  |
| 6. | 75  |
| 7. | 136 |
| 8. | 153 |
| 9. | 64  |
| 10| 126 |