

MULTIPLYING LARGER NUMBERS USING THE DISTRIBUTIVE PROPERTY

ANSWERS

WE CAN USE THE DISTRIBUTIVE PROPERTY TO HELP US SEPARATE LARGER NUMBERS INTO SMALLER PIECES.



WHEN YOU MULTIPLY 8×20 , SOLVE 8×2 AND THEN PUT A ZERO AT THE END.

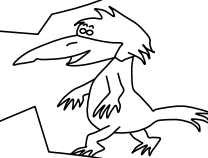
$$8 \times 27 = 8 \times (20 + 7)$$

$$8 \times 20 = 160$$

$$+ 8 \times 7 = 56$$

$$8 \times 27 = 216$$

WE CAN CHANGE THE 27 INTO $(20 + 7)$ AND THEN DISTRIBUTE THE 8 TO BOTH NUMBERS.



DISTRIBUTE MEANS TO DELIVER OR GIVE OUT. SO WE ARE GIVING THE 8 TO THE 20 AND THE 7.

NOW YOUR TURN.

$6 \times 5 = 30$, THEN PLACE A ZERO AT THE END

1. 6×52

$$6 \times 50 = 300$$

$$+ 6 \times 2 = 12$$

$$6 \times 52 = 312$$

2. 5×38

$$5 \times 30 = 150$$

$$+ 5 \times 8 = 40$$

$$5 \times 38 = 190$$

3. 9×67

$$9 \times 60 = 540$$

$$+ 9 \times 7 = 63$$

$$9 \times 67 = 603$$

4. 8×36

$$8 \times 30 = 240$$

$$+ 8 \times 6 = 48$$

$$8 \times 36 = 288$$

5. 15×41

$$15 \times 40 = 600$$

$$+ 15 \times 1 = 15$$

$$15 \times 41 = 615$$

6. 40×34

$$40 \times 30 = 1,200$$

$$+ 40 \times 4 = 160$$

$$40 \times 34 = 1,360$$

7. 5×73

$$5 \times 70 = 350$$

$$+ 5 \times 3 = 15$$

$$5 \times 73 = 365$$

8. 8×57

$$8 \times 50 = 400$$

$$+ 8 \times 7 = 56$$

$$8 \times 57 = 456$$

9. 7×43

$$7 \times 40 = 280$$

$$+ 7 \times 3 = 21$$

$$7 \times 43 = 301$$

10. 60×28

$$60 \times 20 = 1,200$$

$$+ 60 \times 8 = 480$$

$$60 \times 28 = 1,680$$

11. 9×91

$$9 \times 90 = 810$$

$$+ 9 \times 1 = 9$$

$$9 \times 91 = 819$$

12. 4×112

$$4 \times 100 = 400$$

$$+ 4 \times 12 = 48$$

$$4 \times 112 = 448$$

13. 7×84

$$7 \times 80 = 560$$

$$+ 7 \times 4 = 28$$

$$7 \times 84 = 588$$

14. 6×28

$$6 \times 20 = 120$$

$$+ 6 \times 8 = 48$$

$$6 \times 28 = 168$$

15. 5×39

$$5 \times 30 = 150$$

$$+ 5 \times 9 = 45$$

$$5 \times 39 = 195$$