Using Powers of Ten and Halves

Name:

Break each problem down using powers of ten and/or halves to solve.

1) $80 \times 80 =$ _____
$80 \times 8 =$ _____
$8 \times 8 =$ _____

2) $80 \times 180 =$ _____
$8 \times 18 =$ _____
$8 \times 9 =$ _____

3) $60 \times 70 =$ _____
$7 \times 60 =$ _____
$6 \times 7 =$ _____

4) $90 \times 24 =$ _____
$9 \times 12 =$ _____
$9 \times 6 =$ _____

5) $36 \times 90 =$ _____
$18 \times 9 =$ _____
$9 \times 9 =$ _____

6) $90 \times 32 =$ _____
$9 \times 16 =$ _____
$9 \times 8 =$ _____

7) $180 \times 60 =$ _____
$18 \times 6 =$ _____
$9 \times 6 =$ _____

8) $80 \times 600 =$ _____
$8 \times 60 =$ _____
$8 \times 6 =$ _____

9) $800 \times 60 =$ _____
$80 \times 6 =$ _____
$8 \times 6 =$ _____

10) $80 \times 70 =$ _____
$70 \times 8 =$ _____
$8 \times 7 =$ _____

11) $70 \times 60 =$ _____
$6 \times 70 =$ _____
$7 \times 6 =$ _____

12) $30 \times 500 =$ _____
$3 \times 50 =$ _____
$3 \times 5 =$ _____

13) $50 \times 100 =$ _____
$5 \times 10 =$ _____
$5 \times 5 =$ _____

14) $90 \times 20 =$ _____
$9 \times 10 =$ _____
$9 \times 5 =$ _____

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Using Powers of Ten and Halves Name: **Answer Key**

Break each problem down using powers of ten and/or halves to solve.

1) 80 × 80 = 6,400
80 × 8 = 640
8 × 8 = 64

2) 80× 180 = 14,400
8 × 18 = 144
8 × 9 = 72

3) 60× 70 = 4,200
7 × 60 = 420
6 × 7 = 42

4) 90× 24 = 2,160
9 × 12 = 108
9 × 6 = 54

5) 36 × 90 = 3,240
18 × 9 = 162
9 × 9 = 81

6) 90× 32 = 2,880
9 × 16 = 144
9 × 8 = 72

7) 180 × 60 = 10,800
18 × 6 = 108
9 × 6 = 54

8) 80× 600 = 48,000
8 × 60 = 480
8 × 6 = 48

9) 800 × 60 = 48,000
80 × 6 = 480
8 × 6 = 48

10) 80 × 70 = 5,600
70 × 8 = 560
8 × 7 = 56

11) 70× 60 = 4,200
6 × 70 = 420
7 × 6 = 42

12) 30× 500 = 15,000
3 × 50 = 150
3 × 5 = 15

13) 50× 100 = 5,000
5 × 10 = 50
5 × 5 = 25

14) 90× 20 = 1,800
9 × 10 = 90
9 × 5 = 45

Answers

1. **6,400**
2. **14,400**
3. **4,200**
4. **2,160**
5. **3,240**
6. **2,880**
7. **10,800**
8. **48,000**
9. **48,000**
10. **5,600**
11. **4,200**
12. **15,000**
13. **5,000**
14. **1,800**

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						