Using Powers of Ten and Halves

Name:

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

1) $90 \times 140 =$ _____
$9 \times 14 =$ _____
$9 \times 7 =$ _____

2) $40 \times 50 =$ _____
$5 \times 40 =$ _____
$4 \times 5 =$ _____

3) $800 \times 90 =$ _____
$80 \times 9 =$ _____
$8 \times 9 =$ _____

4) $36 \times 30 =$ _____
$18 \times 3 =$ _____
$9 \times 3 =$ _____

5) $80 \times 28 =$ _____
$8 \times 14 =$ _____
$8 \times 7 =$ _____

6) $60 \times 700 =$ _____
$6 \times 70 =$ _____
$6 \times 7 =$ _____

7) $32 \times 40 =$ _____
$16 \times 4 =$ _____
$8 \times 4 =$ _____

8) $40 \times 600 =$ _____
$4 \times 60 =$ _____
$4 \times 6 =$ _____

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

10) $28 \times 30 =$ _____
$14 \times 3 =$ _____
$7 \times 3 =$ _____

11) $100 \times 60 =$ _____
$10 \times 6 =$ _____
$5 \times 6 =$ _____

12) $70 \times 120 =$ _____
$7 \times 12 =$ _____
$7 \times 6 =$ _____

13) $60 \times 60 =$ _____
$6 \times 60 =$ _____
$6 \times 6 =$ _____

14) $50 \times 50 =$ _____
$5 \times 50 =$ _____
$5 \times 5 =$ _____

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) 90× 140 = 12,600
9 × 14 = 126
9 × 7 = 63

2) 40× 50 = 2,000
5 × 40 = 200
4 × 5 = 20

3) 800 × 90 = 72,000
80 × 9 = 720
8 × 9 = 72

4) 36 × 30 = 1,080
18 × 3 = 54
9 × 3 = 27

5) 80× 28 = 2,240
8 × 14 = 112
8 × 7 = 56

6) 60× 700 = 42,000
6 × 70 = 420
6 × 7 = 42

7) 32 × 40 = 1,280
16 × 4 = 64
8 × 4 = 32

8) 40× 600 = 24,000
4 × 60 = 240
4 × 6 = 24

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

10) 28 × 30 = 840
14 × 3 = 42
7 × 3 = 21

11) 100 × 60 = 6,000
10 × 6 = 60
5 × 6 = 30

12) 70× 120 = 8,400
7 × 12 = 84
7 × 6 = 42

13) 60× 60 = 3,600
6 × 60 = 360
6 × 6 = 36

14) 50× 50 = 2,500
5 × 50 = 250
5 × 5 = 25

Answers

1. **12,600**
2. **2,000**
3. **72,000**
4. **1,080**
5. **2,240**
6. **42,000**
7. **1,280**
8. **24,000**
9. **10,800**
10. **840**
11. **6,000**
12. **8,400**
13. **3,600**
14. **2,500**

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