Using Powers of Ten and Halves Name:

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

1) $90 \times 40 =$ _____
$40 \times 9 =$ _____
$9 \times 4 =$ _____

2) $32 \times 60 =$ _____
$16 \times 6 =$ _____
$8 \times 6 =$ _____

3) $24 \times 40 =$ _____
$12 \times 4 =$ _____
$6 \times 4 =$ _____

4) $50 \times 36 =$ _____
$5 \times 18 =$ _____
$5 \times 9 =$ _____

5) $70 \times 900 =$ _____
$7 \times 90 =$ _____
$7 \times 9 =$ _____

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

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

8) $100 \times 60 =$ _____
$10 \times 6 =$ _____
$5 \times 6 =$ _____

9) $80 \times 500 =$ _____
$8 \times 50 =$ _____
$8 \times 5 =$ _____

10) $40 \times 50 =$ _____
$5 \times 40 =$ _____
$4 \times 5 =$ _____

11) $140 \times 50 =$ _____
$14 \times 5 =$ _____
$7 \times 5 =$ _____

12) $180 \times 30 =$ _____
$18 \times 3 =$ _____
$9 \times 3 =$ _____

13) $60 \times 80 =$ _____
$80 \times 6 =$ _____
$6 \times 8 =$ _____

14) $30 \times 700 =$ _____
$3 \times 70 =$ _____
$3 \times 7 =$ _____

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 × 40 = 3,600
40 × 9 = 360
9 × 4 = 36

2) 32 × 60 = 1,920
16 × 6 = 96
8 × 6 = 48

3) 24 × 40 = 960
12 × 4 = 48
6 × 4 = 24

4) 50× 36 = 1,800
5 × 18 = 90
5 × 9 = 45

5) 70× 900 = 63,000
7 × 90 = 630
7 × 9 = 63

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

7) 700 × 70 = 49,000
70 × 7 = 490
7 × 7 = 49

8) 100 × 60 = 6,000
10 × 6 = 60
5 × 6 = 30

9) 80× 500 = 40,000
8 × 50 = 400
8 × 5 = 40

10) 40× 50 = 2,000
5 × 40 = 200
4 × 5 = 20

11) 140 × 50 = 7,000
14 × 5 = 70
7 × 5 = 35

12) 180 × 30 = 5,400
18 × 3 = 54
9 × 3 = 27

13) 60 × 80 = 4,800
80 × 6 = 480
6 × 8 = 48

14) 30× 700 = 21,000
3 × 70 = 210
3 × 7 = 21

Answers

1. **3,600**
2. **1,920**
3. **960**
4. **1,800**
5. **63,000**
6. **6,400**
7. **49,000**
8. **6,000**
9. **40,000**
10. **2,000**
11. **7,000**
12. **5,400**
13. **4,800**
14. **21,000**

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