Using Powers of Ten and Halves

Name:

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

1) 60× 60 = _____
6 × 60 = _____
6 × 6 = _____

2) 30× 100 = _____
3 × 10 = _____
3 × 5 = _____

3) 700 × 70 = _____
70 × 7 = _____
7 × 7 = _____

4) 900 × 60 = _____
90 × 6 = _____
9 × 6 = _____

5) 24 × 40 = _____
12 × 4 = _____
6 × 4 = _____

6) 50× 160 = _____
5 × 16 = _____
5 × 8 = _____

7) 60× 28 = _____
6 × 14 = _____
6 × 7 = _____

8) 180 × 90 = _____
18 × 9 = _____
9 × 9 = _____

9) 80 × 60 = _____
60 × 8 = _____
8 × 6 = _____

10) 60 × 70 = _____
70 × 6 = _____
6 × 7 = _____

11) 50× 120 = _____
5 × 12 = _____
5 × 6 = _____

12) 30× 90 = _____
9 × 30 = _____
3 × 9 = _____

13) 800 × 40 = _____
80 × 4 = _____
8 × 4 = _____

14) 24 × 90 = _____
12 × 9 = _____
6 × 9 = _____

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

2) 30× 100 = 3,000
3 × 10 = 30
3 × 5 = 15

3) 700 × 70 = 49,000
70 × 7 = 490
7 × 7 = 49

4) 900 × 60 = 54,000
90 × 6 = 540
9 × 6 = 54

5) 24 × 40 = 960
12 × 4 = 48
6 × 4 = 24

6) 50× 160 = 8,000
5 × 16 = 80
5 × 8 = 40

7) 60× 28 = 1,680
6 × 14 = 84
6 × 7 = 42

8) 180 × 90 = 16,200
18 × 9 = 162
9 × 9 = 81

9) 80 × 60 = 4,800
60 × 8 = 480
8 × 6 = 48

10) 60 × 70 = 4,200
70 × 6 = 420
6 × 7 = 42

11) 50× 120 = 6,000
5 × 12 = 60
5 × 6 = 30

12) 30× 90 = 2,700
9 × 30 = 270
3 × 9 = 27

13) 800 × 40 = 32,000
80 × 4 = 320
8 × 4 = 32

14) 24 × 90 = 2,160
12 × 9 = 108
6 × 9 = 54

Answers

1. 3,600
2. 3,000
3. 49,000
4. 54,000
5. 960
6. 8,000
7. 1,680
8. 16,200
9. 4,800
10. 4,200
11. 6,000
12. 2,700
13. 32,000
14. 2,160

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