Using Powers of Ten and Halves

Name:

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

1) 70 × 30 = _____
30 × 7 = _____
7 × 3 = _____

2) 36 × 50 = _____
18 × 5 = _____
9 × 5 = _____

3) 50× 32 = _____
5 × 16 = _____
5 × 8 = _____

4) 600 × 80 = _____
60 × 8 = _____
6 × 8 = _____

5) 30× 900 = _____
3 × 90 = _____
3 × 9 = _____

6) 60× 800 = _____
6 × 80 = _____
6 × 8 = _____

7) 20 × 70 = _____
10 × 7 = _____
5 × 7 = _____

8) 50× 20 = _____
5 × 10 = _____
5 × 5 = _____

9) 60× 120 = _____
6 × 12 = _____
6 × 6 = _____

10) 180 × 40 = _____
18 × 4 = _____
9 × 4 = _____

11) 70× 90 = _____
9 × 70 = _____
7 × 9 = _____

12) 40× 700 = _____
4 × 70 = _____
4 × 7 = _____

13) 90× 160 = _____
9 × 16 = _____
9 × 8 = _____

14) 60× 50 = _____
5 × 60 = _____
6 × 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) 70 × 30 = 2,100
30 × 7 = 210
7 × 3 = 21

2) 36 × 50 = 1,800
18 × 5 = 90
9 × 5 = 45

3) 50× 32 = 1,600
5 × 16 = 80
5 × 8 = 40

4) 600 × 80 = 48,000
60 × 8 = 480
6 × 8 = 48

5) 30× 900 = 27,000
3 × 90 = 270
3 × 9 = 27

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

7) 20 × 70 = 1,400
10 × 7 = 70
5 × 7 = 35

8) 50× 20 = 1,000
5 × 10 = 50
5 × 5 = 25

9) 60× 120 = 7,200
6 × 12 = 72
6 × 6 = 36

10) 180 × 40 = 7,200
18 × 4 = 72
9 × 4 = 36

11) 70× 90 = 6,300
9 × 70 = 630
7 × 9 = 63

12) 40× 700 = 28,000
4 × 70 = 280
4 × 7 = 28

13) 90× 160 = 14,400
9 × 16 = 144
9 × 8 = 72

14) 60× 50 = 3,000
5 × 60 = 300
6 × 5 = 30

Answers

1. **2,100**
2. **1,800**
3. **1,600**
4. **48,000**
5. **27,000**
6. **48,000**
7. **1,400**
8. **1,000**
9. **7,200**
10. **7,200**
11. **6,300**
12. **28,000**
13. **14,400**
14. **3,000**

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