Using Powers of Ten and Halves

Name:

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

1) 80 × _____ = 4,000

8 × _____ = 400

8 × _____ = 40

2) 70 × 20 = _____

7 × 10 = _____

7 × 5 = _____

3) 50 × 36 = _____

5 × 18 = _____

5 × 9 = _____

4) 36 × 60 = _____

18 × 6 = _____

9 × 6 = _____

5) 60 × 100 = _____

6 × 10 = _____

6 × 5 = _____

6) 30 × 700 = _____

3 × 70 = _____

3 × 7 = _____

7) 50 × _____ = 1,500

5 × _____ = 150

5 × _____ = 15

8) 90 × 700 = _____

9 × 70 = _____

9 × 7 = _____

9) 80 × _____ = 6,400

8 × _____ = 640

8 × _____ = 64

10) 80 × 100 = _____

8 × 10 = _____

8 × 5 = _____

11) 700 × 50 = _____

70 × 5 = _____

7 × 5 = _____

12) _____ × 60 = 3,000

_____ × 6 = 300

_____ × 6 = 30

13) 70 × 140 = _____

7 × 14 = _____

7 × 7 = _____

14) 60 × 160 = _____

6 × 16 = _____

6 × 8 = _____

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						

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

1) 80 × 50 = 4,000
8 × 50 = 400
8 × 5 = 40

2) 70 × 20 = 1,400
7 × 10 = 70
7 × 5 = 35

3) 50 × 36 = 1,800
5 × 18 = 90
5 × 9 = 45

4) 36 × 60 = 2,160
18 × 6 = 108
9 × 6 = 54

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

6) 30 × 700 = 21,000
3 × 70 = 210
3 × 7 = 21

7) 50 × 30 = 1,500
5 × 30 = 150
5 × 3 = 15

8) 90 × 700 = 63,000
9 × 70 = 630
9 × 7 = 63

9) 80 × 80 = 6,400
8 × 80 = 640
8 × 8 = 64

10) 80 × 100 = 8,000
8 × 10 = 80
8 × 5 = 40

11) 700 × 50 = 35,000
70 × 5 = 350
7 × 5 = 35

12) 50 × 60 = 3,000
50 × 6 = 300
5 × 6 = 30

13) 70 × 140 = 9,800
7 × 14 = 98
7 × 7 = 49

14) 60 × 160 = 9,600
6 × 16 = 96
6 × 8 = 48

Answers

1. 50
2. 1,400
3. 1,800
4. 2,160
5. 6,000
6. 21,000
7. 30
8. 63,000
9. 80
10. 8,000
11. 35,000
12. 50
13. 9,800
14. 9,600

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

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

1) $50 \times 500 =$ _____

$5 \times 50 =$ _____

$5 \times 5 =$ _____

2) $160 \times 80 =$ _____

$16 \times 8 =$ _____

$8 \times 8 =$ _____

3) $50 \times 36 =$ _____

$5 \times 18 =$ _____

$5 \times 9 =$ _____

4) _____ $\times 90 = 2{,}700$

_____ $\times 9 = 270$

_____ $\times 9 = 27$

5) $36 \times 90 =$ _____

$18 \times 9 =$ _____

$9 \times 9 =$ _____

6) $700 \times 80 =$ _____

$70 \times 8 =$ _____

$7 \times 8 =$ _____

7) $160 \times 30 =$ _____

$16 \times 3 =$ _____

$8 \times 3 =$ _____

8) $30 \times 600 =$ _____

$3 \times 60 =$ _____

$3 \times 6 =$ _____

9) $70 \times$ _____ $= 6{,}300$

$7 \times$ _____ $= 630$

$7 \times$ _____ $= 63$

10) $600 \times 60 =$ _____

$60 \times 6 =$ _____

$6 \times 6 =$ _____

11) $80 \times$ _____ $= 3{,}200$

$8 \times$ _____ $= 320$

$8 \times$ _____ $= 32$

12) $32 \times 60 =$ _____

$16 \times 6 =$ _____

$8 \times 6 =$ _____

13) $80 \times 36 =$ _____

$8 \times 18 =$ _____

$8 \times 9 =$ _____

14) $70 \times 180 =$ _____

$7 \times 18 =$ _____

$7 \times 9 =$ _____

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						

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

1) 50 × 500 = 25,000
5 × 50 = 250
5 × 5 = 25

2) 160 × 80 = 12,800
16 × 8 = 128
8 × 8 = 64

3) 50 × 36 = 1,800
5 × 18 = 90
5 × 9 = 45

4) 30 × 90 = 2,700
30 × 9 = 270
3 × 9 = 27

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

6) 700 × 80 = 56,000
70 × 8 = 560
7 × 8 = 56

7) 160 × 30 = 4,800
16 × 3 = 48
8 × 3 = 24

8) 30 × 600 = 18,000
3 × 60 = 180
3 × 6 = 18

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

10) 600 × 60 = 36,000
60 × 6 = 360
6 × 6 = 36

11) 80 × 40 = 3,200
8 × 40 = 320
8 × 4 = 32

12) 32 × 60 = 1,920
16 × 6 = 96
8 × 6 = 48

13) 80 × 36 = 2,880
8 × 18 = 144
8 × 9 = 72

14) 70 × 180 = 12,600
7 × 18 = 126
7 × 9 = 63

Answers

1. 25,000
2. 12,800
3. 1,800
4. 30
5. 3,240
6. 56,000
7. 4,800
8. 18,000
9. 90
10. 36,000
11. 40
12. 1,920
13. 2,880
14. 12,600

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

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

1) _____ × 90 = 5,400

_____ × 9 = 540

_____ × 9 = 54

2) 32 × 90 = _____

16 × 9 = _____

8 × 9 = _____

3) _____ × 70 = 3,500

_____ × 7 = 350

_____ × 7 = 35

4) 60 × 140 = _____

6 × 14 = _____

6 × 7 = _____

5) 700 × 80 = _____

70 × 8 = _____

7 × 8 = _____

6) 100 × 70 = _____

10 × 7 = _____

5 × 7 = _____

7) 80 × 900 = _____

8 × 90 = _____

8 × 9 = _____

8) 50 × _____ = 1,500

5 × _____ = 150

5 × _____ = 15

9) 40 × 900 = _____

4 × 90 = _____

4 × 9 = _____

10) 24 × 90 = _____

12 × 9 = _____

6 × 9 = _____

11) 40 × 800 = _____

4 × 80 = _____

4 × 8 = _____

12) 160 × 60 = _____

16 × 6 = _____

8 × 6 = _____

13) 24 × 80 = _____

12 × 8 = _____

6 × 8 = _____

14) _____ × 70 = 2,100

_____ × 7 = 210

_____ × 7 = 21

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						

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

1) 60 × 90 = 5,400
60 × 9 = 540
6 × 9 = 54

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

3) 50 × 70 = 3,500
50 × 7 = 350
5 × 7 = 35

4) 60 × 140 = 8,400
6 × 14 = 84
6 × 7 = 42

5) 700 × 80 = 56,000
70 × 8 = 560
7 × 8 = 56

6) 100 × 70 = 7,000
10 × 7 = 70
5 × 7 = 35

7) 80 × 900 = 72,000
8 × 90 = 720
8 × 9 = 72

8) 50 × 30 = 1,500
5 × 30 = 150
5 × 3 = 15

9) 40 × 900 = 36,000
4 × 90 = 360
4 × 9 = 36

10) 24 × 90 = 2,160
12 × 9 = 108
6 × 9 = 54

11) 40 × 800 = 32,000
4 × 80 = 320
4 × 8 = 32

12) 160 × 60 = 9,600
16 × 6 = 96
8 × 6 = 48

13) 24 × 80 = 1,920
12 × 8 = 96
6 × 8 = 48

14) 30 × 70 = 2,100
30 × 7 = 210
3 × 7 = 21

Answers

1. 60
2. 2,880
3. 50
4. 8,400
5. 56,000
6. 7,000
7. 72,000
8. 30
9. 36,000
10. 2,160
11. 32,000
12. 9,600
13. 1,920
14. 30

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

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

1) $60 \times 120 =$ _____

$6 \times 12 =$ _____

$6 \times 6 =$ _____

2) _____ $\times 60 = 5{,}400$

_____ $\times 6 = 540$

_____ $\times 6 = 54$

3) _____ $\times 60 = 3{,}000$

_____ $\times 6 = 300$

_____ $\times 6 = 30$

4) $140 \times 80 =$ _____

$14 \times 8 =$ _____

$7 \times 8 =$ _____

5) $60 \times 700 =$ _____

$6 \times 70 =$ _____

$6 \times 7 =$ _____

6) $90 \times$ _____ $= 7{,}200$

$9 \times$ _____ $= 720$

$9 \times$ _____ $= 72$

7) _____ $\times 50 = 4{,}500$

_____ $\times 5 = 450$

_____ $\times 5 = 45$

8) $30 \times 28 =$ _____

$3 \times 14 =$ _____

$3 \times 7 =$ _____

9) $60 \times$ _____ $= 4{,}800$

$6 \times$ _____ $= 480$

$6 \times$ _____ $= 48$

10) $80 \times 20 =$ _____

$8 \times 10 =$ _____

$8 \times 5 =$ _____

11) $700 \times 40 =$ _____

$70 \times 4 =$ _____

$7 \times 4 =$ _____

12) $40 \times 36 =$ _____

$4 \times 18 =$ _____

$4 \times 9 =$ _____

13) $40 \times 100 =$ _____

$4 \times 10 =$ _____

$4 \times 5 =$ _____

14) $70 \times 180 =$ _____

$7 \times 18 =$ _____

$7 \times 9 =$ _____

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						

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

1) 60 × 120 = 7,200
6 × 12 = 72
6 × 6 = 36

2) 90 × 60 = 5,400
90 × 6 = 540
9 × 6 = 54

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

4) 140 × 80 = 11,200
14 × 8 = 112
7 × 8 = 56

5) 60 × 700 = 42,000
6 × 70 = 420
6 × 7 = 42

6) 90 × 80 = 7,200
9 × 80 = 720
9 × 8 = 72

7) 90 × 50 = 4,500
90 × 5 = 450
9 × 5 = 45

8) 30 × 28 = 840
3 × 14 = 42
3 × 7 = 21

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

10) 80 × 20 = 1,600
8 × 10 = 80
8 × 5 = 40

11) 700 × 40 = 28,000
70 × 4 = 280
7 × 4 = 28

12) 40 × 36 = 1,440
4 × 18 = 72
4 × 9 = 36

13) 40 × 100 = 4,000
4 × 10 = 40
4 × 5 = 20

14) 70 × 180 = 12,600
7 × 18 = 126
7 × 9 = 63

Answers

1. 7,200
2. 90
3. 50
4. 11,200
5. 42,000
6. 80
7. 90
8. 840
9. 80
10. 1,600
11. 28,000
12. 1,440
13. 4,000
14. 12,600

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

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

1) $70 \times 600 =$ _____

$7 \times 60 =$ _____

$7 \times 6 =$ _____

2) _____ $\times 60 = 1{,}800$

_____ $\times 6 = 180$

_____ $\times 6 = 18$

3) $160 \times 40 =$ _____

$16 \times 4 =$ _____

$8 \times 4 =$ _____

4) $60 \times 24 =$ _____

$6 \times 12 =$ _____

$6 \times 6 =$ _____

5) $140 \times 70 =$ _____

$14 \times 7 =$ _____

$7 \times 7 =$ _____

6) _____ $\times 70 = 5{,}600$

_____ $\times 7 = 560$

_____ $\times 7 = 56$

7) $40 \times 600 =$ _____

$4 \times 60 =$ _____

$4 \times 6 =$ _____

8) $60 \times$ _____ $= 4{,}800$

$6 \times$ _____ $= 480$

$6 \times$ _____ $= 48$

9) $100 \times 90 =$ _____

$10 \times 9 =$ _____

$5 \times 9 =$ _____

10) $28 \times 90 =$ _____

$14 \times 9 =$ _____

$7 \times 9 =$ _____

11) $50 \times 700 =$ _____

$5 \times 70 =$ _____

$5 \times 7 =$ _____

12) $90 \times$ _____ $= 4{,}500$

$9 \times$ _____ $= 450$

$9 \times$ _____ $= 45$

13) $120 \times 50 =$ _____

$12 \times 5 =$ _____

$6 \times 5 =$ _____

14) $28 \times 60 =$ _____

$14 \times 6 =$ _____

$7 \times 6 =$ _____

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						

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

1) 70 × 600 = 42,000
7 × 60 = 420
7 × 6 = 42

2) 30 × 60 = 1,800
30 × 6 = 180
3 × 6 = 18

3) 160 × 40 = 6,400
16 × 4 = 64
8 × 4 = 32

4) 60 × 24 = 1,440
6 × 12 = 72
6 × 6 = 36

5) 140 × 70 = 9,800
14 × 7 = 98
7 × 7 = 49

6) 80 × 70 = 5,600
80 × 7 = 560
8 × 7 = 56

7) 40 × 600 = 24,000
4 × 60 = 240
4 × 6 = 24

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

9) 100 × 90 = 9,000
10 × 9 = 90
5 × 9 = 45

10) 28 × 90 = 2,520
14 × 9 = 126
7 × 9 = 63

11) 50 × 700 = 35,000
5 × 70 = 350
5 × 7 = 35

12) 90 × 50 = 4,500
9 × 50 = 450
9 × 5 = 45

13) 120 × 50 = 6,000
12 × 5 = 60
6 × 5 = 30

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

Answers

1. 42,000
2. 30
3. 6,400
4. 1,440
5. 9,800
6. 80
7. 24,000
8. 80
9. 9,000
10. 2,520
11. 35,000
12. 50
13. 6,000
14. 1,680

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

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

1) 140 × 90 = _____

14 × 9 = _____

7 × 9 = _____

2) _____ × 50 = 3,000

_____ × 5 = 300

_____ × 5 = 30

3) 90 × _____ = 6,300

9 × _____ = 630

9 × _____ = 63

4) 500 × 30 = _____

50 × 3 = _____

5 × 3 = _____

5) 40 × 24 = _____

4 × 12 = _____

4 × 6 = _____

6) 70 × 24 = _____

7 × 12 = _____

7 × 6 = _____

7) 90 × 120 = _____

9 × 12 = _____

9 × 6 = _____

8) _____ × 90 = 5,400

_____ × 9 = 540

_____ × 9 = 54

9) 36 × 40 = _____

18 × 4 = _____

9 × 4 = _____

10) 800 × 40 = _____

80 × 4 = _____

8 × 4 = _____

11) 70 × 100 = _____

7 × 10 = _____

7 × 5 = _____

12) 36 × 50 = _____

18 × 5 = _____

9 × 5 = _____

13) 30 × 28 = _____

3 × 14 = _____

3 × 7 = _____

14) 40 × 700 = _____

4 × 70 = _____

4 × 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						

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

1) 140 × 90 = 12,600
14 × 9 = 126
7 × 9 = 63

2) 60 × 50 = 3,000
60 × 5 = 300
6 × 5 = 30

3) 90 × 70 = 6,300
9 × 70 = 630
9 × 7 = 63

4) 500 × 30 = 15,000
50 × 3 = 150
5 × 3 = 15

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

6) 70 × 24 = 1,680
7 × 12 = 84
7 × 6 = 42

7) 90 × 120 = 10,800
9 × 12 = 108
9 × 6 = 54

8) 60 × 90 = 5,400
60 × 9 = 540
6 × 9 = 54

9) 36 × 40 = 1,440
18 × 4 = 72
9 × 4 = 36

10) 800 × 40 = 32,000
80 × 4 = 320
8 × 4 = 32

11) 70 × 100 = 7,000
7 × 10 = 70
7 × 5 = 35

12) 36 × 50 = 1,800
18 × 5 = 90
9 × 5 = 45

13) 30 × 28 = 840
3 × 14 = 42
3 × 7 = 21

14) 40 × 700 = 28,000
4 × 70 = 280
4 × 7 = 28

Answers

1. 12,600
2. 60
3. 70
4. 15,000
5. 960
6. 1,680
7. 10,800
8. 60
9. 1,440
10. 32,000
11. 7,000
12. 1,800
13. 840
14. 28,000

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

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

1) _____ × 50 = 3,000

_____ × 5 = 300

_____ × 5 = 30

2) 50 × 700 = _____

5 × 70 = _____

5 × 7 = _____

3) 40 × 120 = _____

4 × 12 = _____

4 × 6 = _____

4) 70 × 100 = _____

7 × 10 = _____

7 × 5 = _____

5) 90 × _____ = 7,200

9 × _____ = 720

9 × _____ = 72

6) 180 × 40 = _____

18 × 4 = _____

9 × 4 = _____

7) 24 × 90 = _____

12 × 9 = _____

6 × 9 = _____

8) 600 × 50 = _____

60 × 5 = _____

6 × 5 = _____

9) _____ × 80 = 7,200

_____ × 8 = 720

_____ × 8 = 72

10) 90 × 900 = _____

9 × 90 = _____

9 × 9 = _____

11) 28 × 60 = _____

14 × 6 = _____

7 × 6 = _____

12) 90 × _____ = 5,400

9 × _____ = 540

9 × _____ = 54

13) 70 × 32 = _____

7 × 16 = _____

7 × 8 = _____

14) 32 × 60 = _____

16 × 6 = _____

8 × 6 = _____

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						

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

1) 60 × 50 = 3,000
60 × 5 = 300
6 × 5 = 30

2) 50 × 700 = 35,000
5 × 70 = 350
5 × 7 = 35

3) 40 × 120 = 4,800
4 × 12 = 48
4 × 6 = 24

4) 70 × 100 = 7,000
7 × 10 = 70
7 × 5 = 35

5) 90 × 80 = 7,200
9 × 80 = 720
9 × 8 = 72

6) 180 × 40 = 7,200
18 × 4 = 72
9 × 4 = 36

7) 24 × 90 = 2,160
12 × 9 = 108
6 × 9 = 54

8) 600 × 50 = 30,000
60 × 5 = 300
6 × 5 = 30

9) 90 × 80 = 7,200
90 × 8 = 720
9 × 8 = 72

10) 90 × 900 = 81,000
9 × 90 = 810
9 × 9 = 81

11) 28 × 60 = 1,680
14 × 6 = 84
7 × 6 = 42

12) 90 × 60 = 5,400
9 × 60 = 540
9 × 6 = 54

13) 70 × 32 = 2,240
7 × 16 = 112
7 × 8 = 56

14) 32 × 60 = 1,920
16 × 6 = 96
8 × 6 = 48

Answers

1. **60**
2. **35,000**
3. **4,800**
4. **7,000**
5. **80**
6. **7,200**
7. **2,160**
8. **30,000**
9. **90**
10. **81,000**
11. **1,680**
12. **60**
13. **2,240**
14. **1,920**

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

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

1) $600 \times 30 =$ _____
$60 \times 3 =$ _____
$6 \times 3 =$ _____

2) $60 \times$ _____ $= 3{,}600$
$6 \times$ _____ $= 360$
$6 \times$ _____ $= 36$

3) $40 \times 160 =$ _____
$4 \times 16 =$ _____
$4 \times 8 =$ _____

4) $30 \times 28 =$ _____
$3 \times 14 =$ _____
$3 \times 7 =$ _____

5) $900 \times 80 =$ _____
$90 \times 8 =$ _____
$9 \times 8 =$ _____

6) _____ $\times 60 = 4{,}200$
_____ $\times 6 = 420$
_____ $\times 6 = 42$

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

8) $90 \times 20 =$ _____
$9 \times 10 =$ _____
$9 \times 5 =$ _____

9) $50 \times 120 =$ _____
$5 \times 12 =$ _____
$5 \times 6 =$ _____

10) $80 \times 32 =$ _____
$8 \times 16 =$ _____
$8 \times 8 =$ _____

11) $70 \times$ _____ $= 4{,}200$
$7 \times$ _____ $= 420$
$7 \times$ _____ $= 42$

12) $50 \times 36 =$ _____
$5 \times 18 =$ _____
$5 \times 9 =$ _____

13) $700 \times 40 =$ _____
$70 \times 4 =$ _____
$7 \times 4 =$ _____

14) $40 \times 20 =$ _____
$4 \times 10 =$ _____
$4 \times 5 =$ _____

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						

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

1) 600 × 30 = 18,000
60 × 3 = 180
6 × 3 = 18

2) 60 × 60 = 3,600
6 × 60 = 360
6 × 6 = 36

3) 40 × 160 = 6,400
4 × 16 = 64
4 × 8 = 32

4) 30 × 28 = 840
3 × 14 = 42
3 × 7 = 21

5) 900 × 80 = 72,000
90 × 8 = 720
9 × 8 = 72

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

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

8) 90 × 20 = 1,800
9 × 10 = 90
9 × 5 = 45

9) 50 × 120 = 6,000
5 × 12 = 60
5 × 6 = 30

10) 80 × 32 = 2,560
8 × 16 = 128
8 × 8 = 64

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

12) 50 × 36 = 1,800
5 × 18 = 90
5 × 9 = 45

13) 700 × 40 = 28,000
70 × 4 = 280
7 × 4 = 28

14) 40 × 20 = 800
4 × 10 = 40
4 × 5 = 20

Answers

1. 18,000
2. 60
3. 6,400
4. 840
5. 72,000
6. 70
7. 7,000
8. 1,800
9. 6,000
10. 2,560
11. 60
12. 1,800
13. 28,000
14. 800

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

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

1) $600 \times 80 =$ _____

$60 \times 8 =$ _____

$6 \times 8 =$ _____

2) $50 \times$ _____ $= 2{,}500$

$5 \times$ _____ $= 250$

$5 \times$ _____ $= 25$

3) $120 \times 30 =$ _____

$12 \times 3 =$ _____

$6 \times 3 =$ _____

4) $600 \times 70 =$ _____

$60 \times 7 =$ _____

$6 \times 7 =$ _____

5) $30 \times 28 =$ _____

$3 \times 14 =$ _____

$3 \times 7 =$ _____

6) $36 \times 60 =$ _____

$18 \times 6 =$ _____

$9 \times 6 =$ _____

7) $800 \times 60 =$ _____

$80 \times 6 =$ _____

$8 \times 6 =$ _____

8) $800 \times 90 =$ _____

$80 \times 9 =$ _____

$8 \times 9 =$ _____

9) $70 \times$ _____ $= 4{,}900$

$7 \times$ _____ $= 490$

$7 \times$ _____ $= 49$

10) $60 \times 28 =$ _____

$6 \times 14 =$ _____

$6 \times 7 =$ _____

11) $60 \times$ _____ $= 3{,}600$

$6 \times$ _____ $= 360$

$6 \times$ _____ $= 36$

12) $120 \times 90 =$ _____

$12 \times 9 =$ _____

$6 \times 9 =$ _____

13) $80 \times 100 =$ _____

$8 \times 10 =$ _____

$8 \times 5 =$ _____

14) $50 \times$ _____ $= 2{,}000$

$5 \times$ _____ $= 200$

$5 \times$ _____ $= 20$

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						

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

1) 600 × 80 = 48,000
60 × 8 = 480
6 × 8 = 48

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

3) 120 × 30 = 3,600
12 × 3 = 36
6 × 3 = 18

4) 600 × 70 = 42,000
60 × 7 = 420
6 × 7 = 42

5) 30 × 28 = 840
3 × 14 = 42
3 × 7 = 21

6) 36 × 60 = 2,160
18 × 6 = 108
9 × 6 = 54

7) 800 × 60 = 48,000
80 × 6 = 480
8 × 6 = 48

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

9) 70 × 70 = 4,900
7 × 70 = 490
7 × 7 = 49

10) 60 × 28 = 1,680
6 × 14 = 84
6 × 7 = 42

11) 60 × 60 = 3,600
6 × 60 = 360
6 × 6 = 36

12) 120 × 90 = 10,800
12 × 9 = 108
6 × 9 = 54

13) 80 × 100 = 8,000
8 × 10 = 80
8 × 5 = 40

14) 50 × 40 = 2,000
5 × 40 = 200
5 × 4 = 20

Answers

1. **48,000**
2. **50**
3. **3,600**
4. **42,000**
5. **840**
6. **2,160**
7. **48,000**
8. **72,000**
9. **70**
10. **1,680**
11. **60**
12. **10,800**
13. **8,000**
14. **40**

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

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

1) $40 \times 28 =$ _____

$4 \times 14 =$ _____

$4 \times 7 =$ _____

2) $60 \times$ _____ $= 5{,}400$

$6 \times$ _____ $= 540$

$6 \times$ _____ $= 54$

3) $140 \times 80 =$ _____

$14 \times 8 =$ _____

$7 \times 8 =$ _____

4) _____ $\times 50 = 3{,}000$

_____ $\times 5 = 300$

_____ $\times 5 = 30$

5) $100 \times 40 =$ _____

$10 \times 4 =$ _____

$5 \times 4 =$ _____

6) $90 \times$ _____ $= 6{,}300$

$9 \times$ _____ $= 630$

$9 \times$ _____ $= 63$

7) $70 \times 600 =$ _____

$7 \times 60 =$ _____

$7 \times 6 =$ _____

8) $50 \times 800 =$ _____

$5 \times 80 =$ _____

$5 \times 8 =$ _____

9) $80 \times 20 =$ _____

$8 \times 10 =$ _____

$8 \times 5 =$ _____

10) $800 \times 90 =$ _____

$80 \times 9 =$ _____

$8 \times 9 =$ _____

11) $50 \times 900 =$ _____

$5 \times 90 =$ _____

$5 \times 9 =$ _____

12) $180 \times 90 =$ _____

$18 \times 9 =$ _____

$9 \times 9 =$ _____

13) $70 \times 700 =$ _____

$7 \times 70 =$ _____

$7 \times 7 =$ _____

14) $32 \times 70 =$ _____

$16 \times 7 =$ _____

$8 \times 7 =$ _____

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						

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

1) 40 × 28 = 1,120
4 × 14 = 56
4 × 7 = 28

2) 60 × 90 = 5,400
6 × 90 = 540
6 × 9 = 54

3) 140 × 80 = 11,200
14 × 8 = 112
7 × 8 = 56

4) 60 × 50 = 3,000
60 × 5 = 300
6 × 5 = 30

5) 100 × 40 = 4,000
10 × 4 = 40
5 × 4 = 20

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

7) 70 × 600 = 42,000
7 × 60 = 420
7 × 6 = 42

8) 50 × 800 = 40,000
5 × 80 = 400
5 × 8 = 40

9) 80 × 20 = 1,600
8 × 10 = 80
8 × 5 = 40

10) 800 × 90 = 72,000
80 × 9 = 720
8 × 9 = 72

11) 50 × 900 = 45,000
5 × 90 = 450
5 × 9 = 45

12) 180 × 90 = 16,200
18 × 9 = 162
9 × 9 = 81

13) 70 × 700 = 49,000
7 × 70 = 490
7 × 7 = 49

14) 32 × 70 = 2,240
16 × 7 = 112
8 × 7 = 56

Answers

1. 1,120
2. 90
3. 11,200
4. 60
5. 4,000
6. 70
7. 42,000
8. 40,000
9. 1,600
10. 72,000
11. 45,000
12. 16,200
13. 49,000
14. 2,240

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