



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

Answers

1) $40 \times 120 =$ _____
 $4 \times 12 =$ _____
 $4 \times 6 =$ _____

2) $50 \times 20 =$ _____
 $5 \times 10 =$ _____
 $5 \times 5 =$ _____

3) $900 \times 80 =$ _____
 $90 \times 8 =$ _____
 $9 \times 8 =$ _____

4) $70 \times 800 =$ _____
 $7 \times 80 =$ _____
 $7 \times 8 =$ _____

5) $60 \times 50 =$ _____
 $50 \times 6 =$ _____
 $6 \times 5 =$ _____

6) $800 \times 80 =$ _____
 $80 \times 8 =$ _____
 $8 \times 8 =$ _____

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

8) $90 \times 50 =$ _____
 $5 \times 90 =$ _____
 $9 \times 5 =$ _____

9) $40 \times 500 =$ _____
 $4 \times 50 =$ _____
 $4 \times 5 =$ _____

10) $32 \times 50 =$ _____
 $16 \times 5 =$ _____
 $8 \times 5 =$ _____

11) $180 \times 60 =$ _____
 $18 \times 6 =$ _____
 $9 \times 6 =$ _____

12) $40 \times 28 =$ _____
 $4 \times 14 =$ _____
 $4 \times 7 =$ _____

13) $50 \times 60 =$ _____
 $60 \times 5 =$ _____
 $5 \times 6 =$ _____

14) $60 \times 120 =$ _____
 $6 \times 12 =$ _____
 $6 \times 6 =$ _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____



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

$$\begin{array}{l} 1) \quad 40 \times 120 = \underline{4,800} \\ \quad 4 \times 12 = \underline{48} \\ \quad 4 \times 6 = \underline{24} \end{array}$$

$$\begin{array}{l} 2) \quad 50 \times 20 = \underline{1,000} \\ \quad 5 \times 10 = \underline{50} \\ \quad 5 \times 5 = \underline{25} \end{array}$$

$$\begin{array}{l} 3) \quad 900 \times 80 = \underline{72,000} \\ \quad 90 \times 8 = \underline{720} \\ \quad 9 \times 8 = \underline{72} \end{array}$$

$$\begin{array}{l} 4) \quad 70 \times 800 = \underline{56,000} \\ \quad 7 \times 80 = \underline{560} \\ \quad 7 \times 8 = \underline{56} \end{array}$$

$$\begin{array}{l} 5) \quad 60 \times 50 = \underline{3,000} \\ \quad 50 \times 6 = \underline{300} \\ \quad 6 \times 5 = \underline{30} \end{array}$$

$$\begin{array}{l} 6) \quad 800 \times 80 = \underline{64,000} \\ \quad 80 \times 8 = \underline{640} \\ \quad 8 \times 8 = \underline{64} \end{array}$$

$$\begin{array}{l} 7) \quad 70 \times 90 = \underline{6,300} \\ \quad 90 \times 7 = \underline{630} \\ \quad 7 \times 9 = \underline{63} \end{array}$$

$$\begin{array}{l} 8) \quad 90 \times 50 = \underline{4,500} \\ \quad 5 \times 90 = \underline{450} \\ \quad 9 \times 5 = \underline{45} \end{array}$$

$$\begin{array}{l} 9) \quad 40 \times 500 = \underline{20,000} \\ \quad 4 \times 50 = \underline{200} \\ \quad 4 \times 5 = \underline{20} \end{array}$$

$$\begin{array}{l} 10) \quad 32 \times 50 = \underline{1,600} \\ \quad 16 \times 5 = \underline{80} \\ \quad 8 \times 5 = \underline{40} \end{array}$$

$$\begin{array}{l} 11) \quad 180 \times 60 = \underline{10,800} \\ \quad 18 \times 6 = \underline{108} \\ \quad 9 \times 6 = \underline{54} \end{array}$$

$$\begin{array}{l} 12) \quad 40 \times 28 = \underline{1,120} \\ \quad 4 \times 14 = \underline{56} \\ \quad 4 \times 7 = \underline{28} \end{array}$$

$$\begin{array}{l} 13) \quad 50 \times 60 = \underline{3,000} \\ \quad 60 \times 5 = \underline{300} \\ \quad 5 \times 6 = \underline{30} \end{array}$$

$$\begin{array}{l} 14) \quad 60 \times 120 = \underline{7,200} \\ \quad 6 \times 12 = \underline{72} \\ \quad 6 \times 6 = \underline{36} \end{array}$$

Answers

1. 4,800

2. 1,000

3. 72,000

4. 56,000

5. 3,000

6. 64,000

7. 6,300

8. 4,500

9. 20,000

10. 1,600

11. 10,800

12. 1,120

13. 3,000

14. 7,200



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

Answers

1) $50 \times 600 =$ _____
 $5 \times 60 =$ _____
 $5 \times 6 =$ _____

2) $80 \times 160 =$ _____
 $8 \times 16 =$ _____
 $8 \times 8 =$ _____

3) $80 \times 600 =$ _____
 $8 \times 60 =$ _____
 $8 \times 6 =$ _____

4) $20 \times 50 =$ _____
 $10 \times 5 =$ _____
 $5 \times 5 =$ _____

5) $60 \times 32 =$ _____
 $6 \times 16 =$ _____
 $6 \times 8 =$ _____

6) $900 \times 70 =$ _____
 $90 \times 7 =$ _____
 $9 \times 7 =$ _____

7) $70 \times 140 =$ _____
 $7 \times 14 =$ _____
 $7 \times 7 =$ _____

8) $600 \times 70 =$ _____
 $60 \times 7 =$ _____
 $6 \times 7 =$ _____

9) $100 \times 30 =$ _____
 $10 \times 3 =$ _____
 $5 \times 3 =$ _____

10) $100 \times 70 =$ _____
 $10 \times 7 =$ _____
 $5 \times 7 =$ _____

11) $90 \times 24 =$ _____
 $9 \times 12 =$ _____
 $9 \times 6 =$ _____

12) $50 \times 60 =$ _____
 $60 \times 5 =$ _____
 $5 \times 6 =$ _____

13) $40 \times 60 =$ _____
 $6 \times 40 =$ _____
 $4 \times 6 =$ _____

14) $70 \times 80 =$ _____
 $8 \times 70 =$ _____
 $7 \times 8 =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____



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

Answers

$$\begin{array}{r} 1) \quad 50 \times 600 = \underline{30,000} \\ \quad 5 \times 60 = \underline{300} \\ \quad 5 \times 6 = \underline{30} \end{array}$$

$$\begin{array}{r} 2) \quad 80 \times 160 = \underline{12,800} \\ \quad 8 \times 16 = \underline{128} \\ \quad 8 \times 8 = \underline{64} \end{array}$$

$$\begin{array}{r} 3) \quad 80 \times 600 = \underline{48,000} \\ \quad 8 \times 60 = \underline{480} \\ \quad 8 \times 6 = \underline{48} \end{array}$$

$$\begin{array}{r} 4) \quad 20 \times 50 = \underline{1,000} \\ \quad 10 \times 5 = \underline{50} \\ \quad 5 \times 5 = \underline{25} \end{array}$$

$$\begin{array}{r} 5) \quad 60 \times 32 = \underline{1,920} \\ \quad 6 \times 16 = \underline{96} \\ \quad 6 \times 8 = \underline{48} \end{array}$$

$$\begin{array}{r} 6) \quad 900 \times 70 = \underline{63,000} \\ \quad 90 \times 7 = \underline{630} \\ \quad 9 \times 7 = \underline{63} \end{array}$$

$$\begin{array}{r} 7) \quad 70 \times 140 = \underline{9,800} \\ \quad 7 \times 14 = \underline{98} \\ \quad 7 \times 7 = \underline{49} \end{array}$$

$$\begin{array}{r} 8) \quad 600 \times 70 = \underline{42,000} \\ \quad 60 \times 7 = \underline{420} \\ \quad 6 \times 7 = \underline{42} \end{array}$$

$$\begin{array}{r} 9) \quad 100 \times 30 = \underline{3,000} \\ \quad 10 \times 3 = \underline{30} \\ \quad 5 \times 3 = \underline{15} \end{array}$$

$$\begin{array}{r} 10) \quad 100 \times 70 = \underline{7,000} \\ \quad 10 \times 7 = \underline{70} \\ \quad 5 \times 7 = \underline{35} \end{array}$$

$$\begin{array}{r} 11) \quad 90 \times 24 = \underline{2,160} \\ \quad 9 \times 12 = \underline{108} \\ \quad 9 \times 6 = \underline{54} \end{array}$$

$$\begin{array}{r} 12) \quad 50 \times 60 = \underline{3,000} \\ \quad 60 \times 5 = \underline{300} \\ \quad 5 \times 6 = \underline{30} \end{array}$$

$$\begin{array}{r} 13) \quad 40 \times 60 = \underline{2,400} \\ \quad 6 \times 40 = \underline{240} \\ \quad 4 \times 6 = \underline{24} \end{array}$$

$$\begin{array}{r} 14) \quad 70 \times 80 = \underline{5,600} \\ \quad 8 \times 70 = \underline{560} \\ \quad 7 \times 8 = \underline{56} \end{array}$$

1. 30,000
2. 12,800
3. 48,000
4. 1,000
5. 1,920
6. 63,000
7. 9,800
8. 42,000
9. 3,000
10. 7,000
11. 2,160
12. 3,000
13. 2,400
14. 5,600



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

Answers

1) $24 \times 50 =$ _____
 $12 \times 5 =$ _____
 $6 \times 5 =$ _____

2) $30 \times 20 =$ _____
 $3 \times 10 =$ _____
 $3 \times 5 =$ _____

3) $600 \times 70 =$ _____
 $60 \times 7 =$ _____
 $6 \times 7 =$ _____

4) $50 \times 140 =$ _____
 $5 \times 14 =$ _____
 $5 \times 7 =$ _____

5) $140 \times 70 =$ _____
 $14 \times 7 =$ _____
 $7 \times 7 =$ _____

6) $90 \times 80 =$ _____
 $80 \times 9 =$ _____
 $9 \times 8 =$ _____

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

8) $50 \times 90 =$ _____
 $9 \times 50 =$ _____
 $5 \times 9 =$ _____

9) $50 \times 60 =$ _____
 $60 \times 5 =$ _____
 $5 \times 6 =$ _____

10) $40 \times 180 =$ _____
 $4 \times 18 =$ _____
 $4 \times 9 =$ _____

11) $80 \times 90 =$ _____
 $90 \times 8 =$ _____
 $8 \times 9 =$ _____

12) $80 \times 80 =$ _____
 $80 \times 8 =$ _____
 $8 \times 8 =$ _____

13) $900 \times 30 =$ _____
 $90 \times 3 =$ _____
 $9 \times 3 =$ _____

14) $20 \times 70 =$ _____
 $10 \times 7 =$ _____
 $5 \times 7 =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____



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

Answers

$$\begin{array}{l} 1) \quad 24 \times 50 = \underline{1,200} \\ \quad 12 \times 5 = \underline{60} \\ \quad 6 \times 5 = \underline{30} \end{array}$$

$$\begin{array}{l} 2) \quad 30 \times 20 = \underline{600} \\ \quad 3 \times 10 = \underline{30} \\ \quad 3 \times 5 = \underline{15} \end{array}$$

$$\begin{array}{l} 3) \quad 600 \times 70 = \underline{42,000} \\ \quad 60 \times 7 = \underline{420} \\ \quad 6 \times 7 = \underline{42} \end{array}$$

$$\begin{array}{l} 4) \quad 50 \times 140 = \underline{7,000} \\ \quad 5 \times 14 = \underline{70} \\ \quad 5 \times 7 = \underline{35} \end{array}$$

$$\begin{array}{l} 5) \quad 140 \times 70 = \underline{9,800} \\ \quad 14 \times 7 = \underline{98} \\ \quad 7 \times 7 = \underline{49} \end{array}$$

$$\begin{array}{l} 6) \quad 90 \times 80 = \underline{7,200} \\ \quad 80 \times 9 = \underline{720} \\ \quad 9 \times 8 = \underline{72} \end{array}$$

$$\begin{array}{l} 7) \quad 30 \times 700 = \underline{21,000} \\ \quad 3 \times 70 = \underline{210} \\ \quad 3 \times 7 = \underline{21} \end{array}$$

$$\begin{array}{l} 8) \quad 50 \times 90 = \underline{4,500} \\ \quad 9 \times 50 = \underline{450} \\ \quad 5 \times 9 = \underline{45} \end{array}$$

$$\begin{array}{l} 9) \quad 50 \times 60 = \underline{3,000} \\ \quad 60 \times 5 = \underline{300} \\ \quad 5 \times 6 = \underline{30} \end{array}$$

$$\begin{array}{l} 10) \quad 40 \times 180 = \underline{7,200} \\ \quad 4 \times 18 = \underline{72} \\ \quad 4 \times 9 = \underline{36} \end{array}$$

$$\begin{array}{l} 11) \quad 80 \times 90 = \underline{7,200} \\ \quad 90 \times 8 = \underline{720} \\ \quad 8 \times 9 = \underline{72} \end{array}$$

$$\begin{array}{l} 12) \quad 80 \times 80 = \underline{6,400} \\ \quad 80 \times 8 = \underline{640} \\ \quad 8 \times 8 = \underline{64} \end{array}$$

$$\begin{array}{l} 13) \quad 900 \times 30 = \underline{27,000} \\ \quad 90 \times 3 = \underline{270} \\ \quad 9 \times 3 = \underline{27} \end{array}$$

$$\begin{array}{l} 14) \quad 20 \times 70 = \underline{1,400} \\ \quad 10 \times 7 = \underline{70} \\ \quad 5 \times 7 = \underline{35} \end{array}$$

1. 1,200

2. 600

3. 42,000

4. 7,000

5. 9,800

6. 7,200

7. 21,000

8. 4,500

9. 3,000

10. 7,200

11. 7,200

12. 6,400

13. 27,000

14. 1,400



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

Answers

1) $40 \times 140 =$ _____
 $4 \times 14 =$ _____
 $4 \times 7 =$ _____

2) $600 \times 90 =$ _____
 $60 \times 9 =$ _____
 $6 \times 9 =$ _____

3) $30 \times 140 =$ _____
 $3 \times 14 =$ _____
 $3 \times 7 =$ _____

4) $70 \times 80 =$ _____
 $80 \times 7 =$ _____
 $7 \times 8 =$ _____

5) $40 \times 120 =$ _____
 $4 \times 12 =$ _____
 $4 \times 6 =$ _____

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

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

8) $70 \times 32 =$ _____
 $7 \times 16 =$ _____
 $7 \times 8 =$ _____

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

10) $30 \times 32 =$ _____
 $3 \times 16 =$ _____
 $3 \times 8 =$ _____

11) $60 \times 70 =$ _____
 $7 \times 60 =$ _____
 $6 \times 7 =$ _____

12) $50 \times 90 =$ _____
 $90 \times 5 =$ _____
 $5 \times 9 =$ _____

13) $20 \times 40 =$ _____
 $10 \times 4 =$ _____
 $5 \times 4 =$ _____

14) $30 \times 600 =$ _____
 $3 \times 60 =$ _____
 $3 \times 6 =$ _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____



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

Answers

$$\begin{array}{r} 1) \quad 40 \times 140 = \underline{5,600} \\ 4 \times 14 = \underline{56} \\ 4 \times 7 = \underline{28} \end{array}$$

$$\begin{array}{r} 2) \quad 600 \times 90 = \underline{54,000} \\ 60 \times 9 = \underline{540} \\ 6 \times 9 = \underline{54} \end{array}$$

$$\begin{array}{r} 3) \quad 30 \times 140 = \underline{4,200} \\ 3 \times 14 = \underline{42} \\ 3 \times 7 = \underline{21} \end{array}$$

$$\begin{array}{r} 4) \quad 70 \times 80 = \underline{5,600} \\ 80 \times 7 = \underline{560} \\ 7 \times 8 = \underline{56} \end{array}$$

$$\begin{array}{r} 5) \quad 40 \times 120 = \underline{4,800} \\ 4 \times 12 = \underline{48} \\ 4 \times 6 = \underline{24} \end{array}$$

$$\begin{array}{r} 6) \quad 32 \times 60 = \underline{1,920} \\ 16 \times 6 = \underline{96} \\ 8 \times 6 = \underline{48} \end{array}$$

$$\begin{array}{r} 7) \quad 70 \times 700 = \underline{49,000} \\ 7 \times 70 = \underline{490} \\ 7 \times 7 = \underline{49} \end{array}$$

$$\begin{array}{r} 8) \quad 70 \times 32 = \underline{2,240} \\ 7 \times 16 = \underline{112} \\ 7 \times 8 = \underline{56} \end{array}$$

$$\begin{array}{r} 9) \quad 900 \times 70 = \underline{63,000} \\ 90 \times 7 = \underline{630} \\ 9 \times 7 = \underline{63} \end{array}$$

$$\begin{array}{r} 10) \quad 30 \times 32 = \underline{960} \\ 3 \times 16 = \underline{48} \\ 3 \times 8 = \underline{24} \end{array}$$

$$\begin{array}{r} 11) \quad 60 \times 70 = \underline{4,200} \\ 7 \times 60 = \underline{420} \\ 6 \times 7 = \underline{42} \end{array}$$

$$\begin{array}{r} 12) \quad 50 \times 90 = \underline{4,500} \\ 90 \times 5 = \underline{450} \\ 5 \times 9 = \underline{45} \end{array}$$

$$\begin{array}{r} 13) \quad 20 \times 40 = \underline{800} \\ 10 \times 4 = \underline{40} \\ 5 \times 4 = \underline{20} \end{array}$$

$$\begin{array}{r} 14) \quad 30 \times 600 = \underline{18,000} \\ 3 \times 60 = \underline{180} \\ 3 \times 6 = \underline{18} \end{array}$$

1. 5,600

2. 54,000

3. 4,200

4. 5,600

5. 4,800

6. 1,920

7. 49,000

8. 2,240

9. 63,000

10. 960

11. 4,200

12. 4,500

13. 800

14. 18,000



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

Answers

1) $160 \times 80 =$ _____
 $16 \times 8 =$ _____
 $8 \times 8 =$ _____

2) $40 \times 120 =$ _____
 $4 \times 12 =$ _____
 $4 \times 6 =$ _____

3) $500 \times 30 =$ _____
 $50 \times 3 =$ _____
 $5 \times 3 =$ _____

4) $60 \times 800 =$ _____
 $6 \times 80 =$ _____
 $6 \times 8 =$ _____

5) $90 \times 60 =$ _____
 $60 \times 9 =$ _____
 $9 \times 6 =$ _____

6) $80 \times 24 =$ _____
 $8 \times 12 =$ _____
 $8 \times 6 =$ _____

7) $100 \times 40 =$ _____
 $10 \times 4 =$ _____
 $5 \times 4 =$ _____

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

9) $20 \times 50 =$ _____
 $10 \times 5 =$ _____
 $5 \times 5 =$ _____

10) $140 \times 40 =$ _____
 $14 \times 4 =$ _____
 $7 \times 4 =$ _____

11) $90 \times 24 =$ _____
 $9 \times 12 =$ _____
 $9 \times 6 =$ _____

12) $30 \times 800 =$ _____
 $3 \times 80 =$ _____
 $3 \times 8 =$ _____

13) $90 \times 50 =$ _____
 $5 \times 90 =$ _____
 $9 \times 5 =$ _____

14) $120 \times 30 =$ _____
 $12 \times 3 =$ _____
 $6 \times 3 =$ _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____



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

Answers

$$1) \quad 160 \times 80 = \underline{12,800}$$

$$16 \times 8 = \underline{128}$$

$$8 \times 8 = \underline{64}$$

$$2) \quad 40 \times 120 = \underline{4,800}$$

$$4 \times 12 = \underline{48}$$

$$4 \times 6 = \underline{24}$$

$$3) \quad 500 \times 30 = \underline{15,000}$$

$$50 \times 3 = \underline{150}$$

$$5 \times 3 = \underline{15}$$

$$4) \quad 60 \times 800 = \underline{48,000}$$

$$6 \times 80 = \underline{480}$$

$$6 \times 8 = \underline{48}$$

$$5) \quad 90 \times 60 = \underline{5,400}$$

$$60 \times 9 = \underline{540}$$

$$9 \times 6 = \underline{54}$$

$$6) \quad 80 \times 24 = \underline{1,920}$$

$$8 \times 12 = \underline{96}$$

$$8 \times 6 = \underline{48}$$

$$7) \quad 100 \times 40 = \underline{4,000}$$

$$10 \times 4 = \underline{40}$$

$$5 \times 4 = \underline{20}$$

$$8) \quad 80 \times 50 = \underline{4,000}$$

$$5 \times 80 = \underline{400}$$

$$8 \times 5 = \underline{40}$$

$$9) \quad 20 \times 50 = \underline{1,000}$$

$$10 \times 5 = \underline{50}$$

$$5 \times 5 = \underline{25}$$

$$10) \quad 140 \times 40 = \underline{5,600}$$

$$14 \times 4 = \underline{56}$$

$$7 \times 4 = \underline{28}$$

$$11) \quad 90 \times 24 = \underline{2,160}$$

$$9 \times 12 = \underline{108}$$

$$9 \times 6 = \underline{54}$$

$$12) \quad 30 \times 800 = \underline{24,000}$$

$$3 \times 80 = \underline{240}$$

$$3 \times 8 = \underline{24}$$

$$13) \quad 90 \times 50 = \underline{4,500}$$

$$5 \times 90 = \underline{450}$$

$$9 \times 5 = \underline{45}$$

$$14) \quad 120 \times 30 = \underline{3,600}$$

$$12 \times 3 = \underline{36}$$

$$6 \times 3 = \underline{18}$$

1. 12,800
2. 4,800
3. 15,000
4. 48,000
5. 5,400
6. 1,920
7. 4,000
8. 4,000
9. 1,000
10. 5,600
11. 2,160
12. 24,000
13. 4,500
14. 3,600



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

Answers

1) $70 \times 30 =$ _____
 $30 \times 7 =$ _____
 $7 \times 3 =$ _____

2) $36 \times 50 =$ _____
 $18 \times 5 =$ _____
 $9 \times 5 =$ _____

3) $50 \times 32 =$ _____
 $5 \times 16 =$ _____
 $5 \times 8 =$ _____

4) $600 \times 80 =$ _____
 $60 \times 8 =$ _____
 $6 \times 8 =$ _____

5) $30 \times 900 =$ _____
 $3 \times 90 =$ _____
 $3 \times 9 =$ _____

6) $60 \times 800 =$ _____
 $6 \times 80 =$ _____
 $6 \times 8 =$ _____

7) $20 \times 70 =$ _____
 $10 \times 7 =$ _____
 $5 \times 7 =$ _____

8) $50 \times 20 =$ _____
 $5 \times 10 =$ _____
 $5 \times 5 =$ _____

9) $60 \times 120 =$ _____
 $6 \times 12 =$ _____
 $6 \times 6 =$ _____

10) $180 \times 40 =$ _____
 $18 \times 4 =$ _____
 $9 \times 4 =$ _____

11) $70 \times 90 =$ _____
 $9 \times 70 =$ _____
 $7 \times 9 =$ _____

12) $40 \times 700 =$ _____
 $4 \times 70 =$ _____
 $4 \times 7 =$ _____

13) $90 \times 160 =$ _____
 $9 \times 16 =$ _____
 $9 \times 8 =$ _____

14) $60 \times 50 =$ _____
 $5 \times 60 =$ _____
 $6 \times 5 =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____



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

Answers

$$\begin{array}{l} 1) \quad 70 \times 30 = \underline{2,100} \\ \quad 30 \times 7 = \underline{210} \\ \quad 7 \times 3 = \underline{21} \end{array}$$

$$\begin{array}{l} 2) \quad 36 \times 50 = \underline{1,800} \\ \quad 18 \times 5 = \underline{90} \\ \quad 9 \times 5 = \underline{45} \end{array}$$

$$\begin{array}{l} 3) \quad 50 \times 32 = \underline{1,600} \\ \quad 5 \times 16 = \underline{80} \\ \quad 5 \times 8 = \underline{40} \end{array}$$

$$\begin{array}{l} 4) \quad 600 \times 80 = \underline{48,000} \\ \quad 60 \times 8 = \underline{480} \\ \quad 6 \times 8 = \underline{48} \end{array}$$

$$\begin{array}{l} 5) \quad 30 \times 900 = \underline{27,000} \\ \quad 3 \times 90 = \underline{270} \\ \quad 3 \times 9 = \underline{27} \end{array}$$

$$\begin{array}{l} 6) \quad 60 \times 800 = \underline{48,000} \\ \quad 6 \times 80 = \underline{480} \\ \quad 6 \times 8 = \underline{48} \end{array}$$

$$\begin{array}{l} 7) \quad 20 \times 70 = \underline{1,400} \\ \quad 10 \times 7 = \underline{70} \\ \quad 5 \times 7 = \underline{35} \end{array}$$

$$\begin{array}{l} 8) \quad 50 \times 20 = \underline{1,000} \\ \quad 5 \times 10 = \underline{50} \\ \quad 5 \times 5 = \underline{25} \end{array}$$

$$\begin{array}{l} 9) \quad 60 \times 120 = \underline{7,200} \\ \quad 6 \times 12 = \underline{72} \\ \quad 6 \times 6 = \underline{36} \end{array}$$

$$\begin{array}{l} 10) \quad 180 \times 40 = \underline{7,200} \\ \quad 18 \times 4 = \underline{72} \\ \quad 9 \times 4 = \underline{36} \end{array}$$

$$\begin{array}{l} 11) \quad 70 \times 90 = \underline{6,300} \\ \quad 9 \times 70 = \underline{630} \\ \quad 7 \times 9 = \underline{63} \end{array}$$

$$\begin{array}{l} 12) \quad 40 \times 700 = \underline{28,000} \\ \quad 4 \times 70 = \underline{280} \\ \quad 4 \times 7 = \underline{28} \end{array}$$

$$\begin{array}{l} 13) \quad 90 \times 160 = \underline{14,400} \\ \quad 9 \times 16 = \underline{144} \\ \quad 9 \times 8 = \underline{72} \end{array}$$

$$\begin{array}{l} 14) \quad 60 \times 50 = \underline{3,000} \\ \quad 5 \times 60 = \underline{300} \\ \quad 6 \times 5 = \underline{30} \end{array}$$

1. 2,1002. 1,8003. 1,6004. 48,0005. 27,0006. 48,0007. 1,4008. 1,0009. 7,20010. 7,20011. 6,30012. 28,00013. 14,40014. 3,000



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

Answers

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

2) $900 \times 70 =$ _____
 $90 \times 7 =$ _____
 $9 \times 7 =$ _____

3) $700 \times 90 =$ _____
 $70 \times 9 =$ _____
 $7 \times 9 =$ _____

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

5) $40 \times 700 =$ _____
 $4 \times 70 =$ _____
 $4 \times 7 =$ _____

6) $80 \times 140 =$ _____
 $8 \times 14 =$ _____
 $8 \times 7 =$ _____

7) $500 \times 60 =$ _____
 $50 \times 6 =$ _____
 $5 \times 6 =$ _____

8) $30 \times 32 =$ _____
 $3 \times 16 =$ _____
 $3 \times 8 =$ _____

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

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

11) $80 \times 50 =$ _____
 $5 \times 80 =$ _____
 $8 \times 5 =$ _____

12) $120 \times 30 =$ _____
 $12 \times 3 =$ _____
 $6 \times 3 =$ _____

13) $50 \times 24 =$ _____
 $5 \times 12 =$ _____
 $5 \times 6 =$ _____

14) $32 \times 90 =$ _____
 $16 \times 9 =$ _____
 $8 \times 9 =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____



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

Answers

$$\begin{array}{l} 1) \quad 90 \times 90 = \underline{8,100} \\ \quad 90 \times 9 = \underline{810} \\ \quad 9 \times 9 = \underline{81} \end{array}$$

$$\begin{array}{l} 2) \quad 900 \times 70 = \underline{63,000} \\ \quad 90 \times 7 = \underline{630} \\ \quad 9 \times 7 = \underline{63} \end{array}$$

$$\begin{array}{l} 3) \quad 700 \times 90 = \underline{63,000} \\ \quad 70 \times 9 = \underline{630} \\ \quad 7 \times 9 = \underline{63} \end{array}$$

$$\begin{array}{l} 4) \quad 50 \times 36 = \underline{1,800} \\ \quad 5 \times 18 = \underline{90} \\ \quad 5 \times 9 = \underline{45} \end{array}$$

$$\begin{array}{l} 5) \quad 40 \times 700 = \underline{28,000} \\ \quad 4 \times 70 = \underline{280} \\ \quad 4 \times 7 = \underline{28} \end{array}$$

$$\begin{array}{l} 6) \quad 80 \times 140 = \underline{11,200} \\ \quad 8 \times 14 = \underline{112} \\ \quad 8 \times 7 = \underline{56} \end{array}$$

$$\begin{array}{l} 7) \quad 500 \times 60 = \underline{30,000} \\ \quad 50 \times 6 = \underline{300} \\ \quad 5 \times 6 = \underline{30} \end{array}$$

$$\begin{array}{l} 8) \quad 30 \times 32 = \underline{960} \\ \quad 3 \times 16 = \underline{48} \\ \quad 3 \times 8 = \underline{24} \end{array}$$

$$\begin{array}{l} 9) \quad 50 \times 80 = \underline{4,000} \\ \quad 8 \times 50 = \underline{400} \\ \quad 5 \times 8 = \underline{40} \end{array}$$

$$\begin{array}{l} 10) \quad 80 \times 80 = \underline{6,400} \\ \quad 80 \times 8 = \underline{640} \\ \quad 8 \times 8 = \underline{64} \end{array}$$

$$\begin{array}{l} 11) \quad 80 \times 50 = \underline{4,000} \\ \quad 5 \times 80 = \underline{400} \\ \quad 8 \times 5 = \underline{40} \end{array}$$

$$\begin{array}{l} 12) \quad 120 \times 30 = \underline{3,600} \\ \quad 12 \times 3 = \underline{36} \\ \quad 6 \times 3 = \underline{18} \end{array}$$

$$\begin{array}{l} 13) \quad 50 \times 24 = \underline{1,200} \\ \quad 5 \times 12 = \underline{60} \\ \quad 5 \times 6 = \underline{30} \end{array}$$

$$\begin{array}{l} 14) \quad 32 \times 90 = \underline{2,880} \\ \quad 16 \times 9 = \underline{144} \\ \quad 8 \times 9 = \underline{72} \end{array}$$

1. 8,1002. 63,0003. 63,0004. 1,8005. 28,0006. 11,2007. 30,0008. 9609. 4,00010. 6,40011. 4,00012. 3,60013. 1,20014. 2,880



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

Answers

1) $50 \times 36 =$ _____
 $5 \times 18 =$ _____
 $5 \times 9 =$ _____

2) $500 \times 80 =$ _____
 $50 \times 8 =$ _____
 $5 \times 8 =$ _____

3) $160 \times 90 =$ _____
 $16 \times 9 =$ _____
 $8 \times 9 =$ _____

4) $800 \times 50 =$ _____
 $80 \times 5 =$ _____
 $8 \times 5 =$ _____

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

6) $140 \times 50 =$ _____
 $14 \times 5 =$ _____
 $7 \times 5 =$ _____

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

8) $40 \times 180 =$ _____
 $4 \times 18 =$ _____
 $4 \times 9 =$ _____

9) $60 \times 90 =$ _____
 $90 \times 6 =$ _____
 $6 \times 9 =$ _____

10) $90 \times 500 =$ _____
 $9 \times 50 =$ _____
 $9 \times 5 =$ _____

11) $24 \times 30 =$ _____
 $12 \times 3 =$ _____
 $6 \times 3 =$ _____

12) $40 \times 28 =$ _____
 $4 \times 14 =$ _____
 $4 \times 7 =$ _____

13) $40 \times 500 =$ _____
 $4 \times 50 =$ _____
 $4 \times 5 =$ _____

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

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____



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

Answers

$$\begin{array}{r} 1) \quad 50 \times 36 = \underline{1,800} \\ 5 \times 18 = \underline{90} \\ 5 \times 9 = \underline{45} \end{array}$$

$$\begin{array}{r} 2) \quad 500 \times 80 = \underline{40,000} \\ 50 \times 8 = \underline{400} \\ 5 \times 8 = \underline{40} \end{array}$$

$$\begin{array}{r} 3) \quad 160 \times 90 = \underline{14,400} \\ 16 \times 9 = \underline{144} \\ 8 \times 9 = \underline{72} \end{array}$$

$$\begin{array}{r} 4) \quad 800 \times 50 = \underline{40,000} \\ 80 \times 5 = \underline{400} \\ 8 \times 5 = \underline{40} \end{array}$$

$$\begin{array}{r} 5) \quad 90 \times 80 = \underline{7,200} \\ 80 \times 9 = \underline{720} \\ 9 \times 8 = \underline{72} \end{array}$$

$$\begin{array}{r} 6) \quad 140 \times 50 = \underline{7,000} \\ 14 \times 5 = \underline{70} \\ 7 \times 5 = \underline{35} \end{array}$$

$$\begin{array}{r} 7) \quad 32 \times 40 = \underline{1,280} \\ 16 \times 4 = \underline{64} \\ 8 \times 4 = \underline{32} \end{array}$$

$$\begin{array}{r} 8) \quad 40 \times 180 = \underline{7,200} \\ 4 \times 18 = \underline{72} \\ 4 \times 9 = \underline{36} \end{array}$$

$$\begin{array}{r} 9) \quad 60 \times 90 = \underline{5,400} \\ 90 \times 6 = \underline{540} \\ 6 \times 9 = \underline{54} \end{array}$$

$$\begin{array}{r} 10) \quad 90 \times 500 = \underline{45,000} \\ 9 \times 50 = \underline{450} \\ 9 \times 5 = \underline{45} \end{array}$$

$$\begin{array}{r} 11) \quad 24 \times 30 = \underline{720} \\ 12 \times 3 = \underline{36} \\ 6 \times 3 = \underline{18} \end{array}$$

$$\begin{array}{r} 12) \quad 40 \times 28 = \underline{1,120} \\ 4 \times 14 = \underline{56} \\ 4 \times 7 = \underline{28} \end{array}$$

$$\begin{array}{r} 13) \quad 40 \times 500 = \underline{20,000} \\ 4 \times 50 = \underline{200} \\ 4 \times 5 = \underline{20} \end{array}$$

$$\begin{array}{r} 14) \quad 80 \times 28 = \underline{2,240} \\ 8 \times 14 = \underline{112} \\ 8 \times 7 = \underline{56} \end{array}$$

1. 1,8002. 40,0003. 14,4004. 40,0005. 7,2006. 7,0007. 1,2808. 7,2009. 5,40010. 45,00011. 72012. 1,12013. 20,00014. 2,240



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

Answers

1) $20 \times 40 =$ _____
 $10 \times 4 =$ _____
 $5 \times 4 =$ _____

2) $40 \times 32 =$ _____
 $4 \times 16 =$ _____
 $4 \times 8 =$ _____

3) $60 \times 120 =$ _____
 $6 \times 12 =$ _____
 $6 \times 6 =$ _____

4) $40 \times 180 =$ _____
 $4 \times 18 =$ _____
 $4 \times 9 =$ _____

5) $700 \times 70 =$ _____
 $70 \times 7 =$ _____
 $7 \times 7 =$ _____

6) $50 \times 80 =$ _____
 $8 \times 50 =$ _____
 $5 \times 8 =$ _____

7) $50 \times 36 =$ _____
 $5 \times 18 =$ _____
 $5 \times 9 =$ _____

8) $600 \times 90 =$ _____
 $60 \times 9 =$ _____
 $6 \times 9 =$ _____

9) $50 \times 60 =$ _____
 $6 \times 50 =$ _____
 $5 \times 6 =$ _____

10) $30 \times 24 =$ _____
 $3 \times 12 =$ _____
 $3 \times 6 =$ _____

11) $500 \times 30 =$ _____
 $50 \times 3 =$ _____
 $5 \times 3 =$ _____

12) $900 \times 30 =$ _____
 $90 \times 3 =$ _____
 $9 \times 3 =$ _____

13) $70 \times 90 =$ _____
 $90 \times 7 =$ _____
 $7 \times 9 =$ _____

14) $80 \times 50 =$ _____
 $5 \times 80 =$ _____
 $8 \times 5 =$ _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____



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

Answers

$$\begin{array}{l} 1) \quad 20 \times 40 = \underline{800} \\ \quad 10 \times 4 = \underline{40} \\ \quad 5 \times 4 = \underline{20} \end{array}$$

$$\begin{array}{l} 2) \quad 40 \times 32 = \underline{1,280} \\ \quad 4 \times 16 = \underline{64} \\ \quad 4 \times 8 = \underline{32} \end{array}$$

$$\begin{array}{l} 3) \quad 60 \times 120 = \underline{7,200} \\ \quad 6 \times 12 = \underline{72} \\ \quad 6 \times 6 = \underline{36} \end{array}$$

$$\begin{array}{l} 4) \quad 40 \times 180 = \underline{7,200} \\ \quad 4 \times 18 = \underline{72} \\ \quad 4 \times 9 = \underline{36} \end{array}$$

$$\begin{array}{l} 5) \quad 700 \times 70 = \underline{49,000} \\ \quad 70 \times 7 = \underline{490} \\ \quad 7 \times 7 = \underline{49} \end{array}$$

$$\begin{array}{l} 6) \quad 50 \times 80 = \underline{4,000} \\ \quad 8 \times 50 = \underline{400} \\ \quad 5 \times 8 = \underline{40} \end{array}$$

$$\begin{array}{l} 7) \quad 50 \times 36 = \underline{1,800} \\ \quad 5 \times 18 = \underline{90} \\ \quad 5 \times 9 = \underline{45} \end{array}$$

$$\begin{array}{l} 8) \quad 600 \times 90 = \underline{54,000} \\ \quad 60 \times 9 = \underline{540} \\ \quad 6 \times 9 = \underline{54} \end{array}$$

$$\begin{array}{l} 9) \quad 50 \times 60 = \underline{3,000} \\ \quad 6 \times 50 = \underline{300} \\ \quad 5 \times 6 = \underline{30} \end{array}$$

$$\begin{array}{l} 10) \quad 30 \times 24 = \underline{720} \\ \quad 3 \times 12 = \underline{36} \\ \quad 3 \times 6 = \underline{18} \end{array}$$

$$\begin{array}{l} 11) \quad 500 \times 30 = \underline{15,000} \\ \quad 50 \times 3 = \underline{150} \\ \quad 5 \times 3 = \underline{15} \end{array}$$

$$\begin{array}{l} 12) \quad 900 \times 30 = \underline{27,000} \\ \quad 90 \times 3 = \underline{270} \\ \quad 9 \times 3 = \underline{27} \end{array}$$

$$\begin{array}{l} 13) \quad 70 \times 90 = \underline{6,300} \\ \quad 90 \times 7 = \underline{630} \\ \quad 7 \times 9 = \underline{63} \end{array}$$

$$\begin{array}{l} 14) \quad 80 \times 50 = \underline{4,000} \\ \quad 5 \times 80 = \underline{400} \\ \quad 8 \times 5 = \underline{40} \end{array}$$

1. 800

2. 1,280

3. 7,200

4. 7,200

5. 49,000

6. 4,000

7. 1,800

8. 54,000

9. 3,000

10. 720

11. 15,000

12. 27,000

13. 6,300

14. 4,000



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

Answers

1) $80 \times 20 =$ _____
 $8 \times 10 =$ _____
 $8 \times 5 =$ _____

2) $70 \times 50 =$ _____
 $5 \times 70 =$ _____
 $7 \times 5 =$ _____

3) $20 \times 60 =$ _____
 $10 \times 6 =$ _____
 $5 \times 6 =$ _____

4) $140 \times 50 =$ _____
 $14 \times 5 =$ _____
 $7 \times 5 =$ _____

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

6) $36 \times 90 =$ _____
 $18 \times 9 =$ _____
 $9 \times 9 =$ _____

7) $800 \times 40 =$ _____
 $80 \times 4 =$ _____
 $8 \times 4 =$ _____

8) $160 \times 50 =$ _____
 $16 \times 5 =$ _____
 $8 \times 5 =$ _____

9) $140 \times 70 =$ _____
 $14 \times 7 =$ _____
 $7 \times 7 =$ _____

10) $50 \times 600 =$ _____
 $5 \times 60 =$ _____
 $5 \times 6 =$ _____

11) $80 \times 60 =$ _____
 $6 \times 80 =$ _____
 $8 \times 6 =$ _____

12) $900 \times 70 =$ _____
 $90 \times 7 =$ _____
 $9 \times 7 =$ _____

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

14) $50 \times 90 =$ _____
 $90 \times 5 =$ _____
 $5 \times 9 =$ _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____



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

Answers

$$\begin{array}{l} 1) \quad 80 \times 20 = \underline{1,600} \\ \quad 8 \times 10 = \underline{80} \\ \quad 8 \times 5 = \underline{40} \end{array}$$

$$\begin{array}{l} 2) \quad 70 \times 50 = \underline{3,500} \\ \quad 5 \times 70 = \underline{350} \\ \quad 7 \times 5 = \underline{35} \end{array}$$

$$\begin{array}{l} 3) \quad 20 \times 60 = \underline{1,200} \\ \quad 10 \times 6 = \underline{60} \\ \quad 5 \times 6 = \underline{30} \end{array}$$

$$\begin{array}{l} 4) \quad 140 \times 50 = \underline{7,000} \\ \quad 14 \times 5 = \underline{70} \\ \quad 7 \times 5 = \underline{35} \end{array}$$

$$\begin{array}{l} 5) \quad 36 \times 50 = \underline{1,800} \\ \quad 18 \times 5 = \underline{90} \\ \quad 9 \times 5 = \underline{45} \end{array}$$

$$\begin{array}{l} 6) \quad 36 \times 90 = \underline{3,240} \\ \quad 18 \times 9 = \underline{162} \\ \quad 9 \times 9 = \underline{81} \end{array}$$

$$\begin{array}{l} 7) \quad 800 \times 40 = \underline{32,000} \\ \quad 80 \times 4 = \underline{320} \\ \quad 8 \times 4 = \underline{32} \end{array}$$

$$\begin{array}{l} 8) \quad 160 \times 50 = \underline{8,000} \\ \quad 16 \times 5 = \underline{80} \\ \quad 8 \times 5 = \underline{40} \end{array}$$

$$\begin{array}{l} 9) \quad 140 \times 70 = \underline{9,800} \\ \quad 14 \times 7 = \underline{98} \\ \quad 7 \times 7 = \underline{49} \end{array}$$

$$\begin{array}{l} 10) \quad 50 \times 600 = \underline{30,000} \\ \quad 5 \times 60 = \underline{300} \\ \quad 5 \times 6 = \underline{30} \end{array}$$

$$\begin{array}{l} 11) \quad 80 \times 60 = \underline{4,800} \\ \quad 6 \times 80 = \underline{480} \\ \quad 8 \times 6 = \underline{48} \end{array}$$

$$\begin{array}{l} 12) \quad 900 \times 70 = \underline{63,000} \\ \quad 90 \times 7 = \underline{630} \\ \quad 9 \times 7 = \underline{63} \end{array}$$

$$\begin{array}{l} 13) \quad 40 \times 700 = \underline{28,000} \\ \quad 4 \times 70 = \underline{280} \\ \quad 4 \times 7 = \underline{28} \end{array}$$

$$\begin{array}{l} 14) \quad 50 \times 90 = \underline{4,500} \\ \quad 90 \times 5 = \underline{450} \\ \quad 5 \times 9 = \underline{45} \end{array}$$

1. 1,6002. 3,5003. 1,2004. 7,0005. 1,8006. 3,2407. 32,0008. 8,0009. 9,80010. 30,00011. 4,80012. 63,00013. 28,00014. 4,500