

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

1) $30 \times 24 =$ _____
 $3 \times 12 =$ _____
 $3 \times 6 =$ _____

2) $60 \times 24 =$ _____
 $6 \times 12 =$ _____
 $6 \times 6 =$ _____

3) $600 \times 50 =$ _____
 $60 \times 5 =$ _____
 $6 \times 5 =$ _____

4) $500 \times 80 =$ _____
 $50 \times 8 =$ _____
 $5 \times 8 =$ _____

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

6) $160 \times 70 =$ _____
 $16 \times 7 =$ _____
 $8 \times 7 =$ _____

7) $180 \times 90 =$ _____
 $18 \times 9 =$ _____
 $9 \times 9 =$ _____

8) $90 \times 140 =$ _____
 $9 \times 14 =$ _____
 $9 \times 7 =$ _____

9) $80 \times 28 =$ _____
 $8 \times 14 =$ _____
 $8 \times 7 =$ _____

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

11) $28 \times 40 =$ _____
 $14 \times 4 =$ _____
 $7 \times 4 =$ _____

12) $700 \times 50 =$ _____
 $70 \times 5 =$ _____
 $7 \times 5 =$ _____

13) $60 \times 90 =$ _____
 $90 \times 6 =$ _____
 $6 \times 9 =$ _____

14) $50 \times 40 =$ _____
 $40 \times 5 =$ _____
 $5 \times 4 =$ _____

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

$$\begin{array}{l} 1) \quad 30 \times 24 = \underline{720} \\ \quad 3 \times 12 = \underline{36} \\ \quad 3 \times 6 = \underline{18} \end{array}$$

$$\begin{array}{l} 2) \quad 60 \times 24 = \underline{1,440} \\ \quad 6 \times 12 = \underline{72} \\ \quad 6 \times 6 = \underline{36} \end{array}$$

$$\begin{array}{l} 3) \quad 600 \times 50 = \underline{30,000} \\ \quad 60 \times 5 = \underline{300} \\ \quad 6 \times 5 = \underline{30} \end{array}$$

$$\begin{array}{l} 4) \quad 500 \times 80 = \underline{40,000} \\ \quad 50 \times 8 = \underline{400} \\ \quad 5 \times 8 = \underline{40} \end{array}$$

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

$$\begin{array}{l} 6) \quad 160 \times 70 = \underline{11,200} \\ \quad 16 \times 7 = \underline{112} \\ \quad 8 \times 7 = \underline{56} \end{array}$$

$$\begin{array}{l} 7) \quad 180 \times 90 = \underline{16,200} \\ \quad 18 \times 9 = \underline{162} \\ \quad 9 \times 9 = \underline{81} \end{array}$$

$$\begin{array}{l} 8) \quad 90 \times 140 = \underline{12,600} \\ \quad 9 \times 14 = \underline{126} \\ \quad 9 \times 7 = \underline{63} \end{array}$$

$$\begin{array}{l} 9) \quad 80 \times 28 = \underline{2,240} \\ \quad 8 \times 14 = \underline{112} \\ \quad 8 \times 7 = \underline{56} \end{array}$$

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

$$\begin{array}{l} 11) \quad 28 \times 40 = \underline{1,120} \\ \quad 14 \times 4 = \underline{56} \\ \quad 7 \times 4 = \underline{28} \end{array}$$

$$\begin{array}{l} 12) \quad 700 \times 50 = \underline{35,000} \\ \quad 70 \times 5 = \underline{350} \\ \quad 7 \times 5 = \underline{35} \end{array}$$

$$\begin{array}{l} 13) \quad 60 \times 90 = \underline{5,400} \\ \quad 90 \times 6 = \underline{540} \\ \quad 6 \times 9 = \underline{54} \end{array}$$

$$\begin{array}{l} 14) \quad 50 \times 40 = \underline{2,000} \\ \quad 40 \times 5 = \underline{200} \\ \quad 5 \times 4 = \underline{20} \end{array}$$

1. 720
2. 1,440
3. 30,000
4. 40,000
5. 4,500
6. 11,200
7. 16,200
8. 12,600
9. 2,240
10. 1,600
11. 1,120
12. 35,000
13. 5,400
14. 2,000