

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

1) $60 \times 60 =$ _____
 $6 \times 60 =$ _____
 $6 \times 6 =$ _____

2) $40 \times 160 =$ _____
 $4 \times 16 =$ _____
 $4 \times 8 =$ _____

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

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

5) $30 \times 180 =$ _____
 $3 \times 18 =$ _____
 $3 \times 9 =$ _____

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

7) $30 \times 500 =$ _____
 $3 \times 50 =$ _____
 $3 \times 5 =$ _____

8) $70 \times 40 =$ _____
 $40 \times 7 =$ _____
 $7 \times 4 =$ _____

9) $28 \times 50 =$ _____
 $14 \times 5 =$ _____
 $7 \times 5 =$ _____

10) $24 \times 70 =$ _____
 $12 \times 7 =$ _____
 $6 \times 7 =$ _____

11) $50 \times 90 =$ _____
 $90 \times 5 =$ _____
 $5 \times 9 =$ _____

12) $800 \times 90 =$ _____
 $80 \times 9 =$ _____
 $8 \times 9 =$ _____

13) $36 \times 70 =$ _____
 $18 \times 7 =$ _____
 $9 \times 7 =$ _____

14) $60 \times 36 =$ _____
 $6 \times 18 =$ _____
 $6 \times 9 =$ _____

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

$$\begin{array}{l} 1) \quad 60 \times 60 = \underline{3,600} \\ \quad 6 \times 60 = \underline{360} \\ \quad 6 \times 6 = \underline{36} \end{array}$$

$$\begin{array}{l} 2) \quad 40 \times 160 = \underline{6,400} \\ \quad 4 \times 16 = \underline{64} \\ \quad 4 \times 8 = \underline{32} \end{array}$$

$$\begin{array}{l} 3) \quad 30 \times 800 = \underline{24,000} \\ \quad 3 \times 80 = \underline{240} \\ \quad 3 \times 8 = \underline{24} \end{array}$$

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

$$\begin{array}{l} 5) \quad 30 \times 180 = \underline{5,400} \\ \quad 3 \times 18 = \underline{54} \\ \quad 3 \times 9 = \underline{27} \end{array}$$

$$\begin{array}{l} 6) \quad 70 \times 70 = \underline{4,900} \\ \quad 70 \times 7 = \underline{490} \\ \quad 7 \times 7 = \underline{49} \end{array}$$

$$\begin{array}{l} 7) \quad 30 \times 500 = \underline{15,000} \\ \quad 3 \times 50 = \underline{150} \\ \quad 3 \times 5 = \underline{15} \end{array}$$

$$\begin{array}{l} 8) \quad 70 \times 40 = \underline{2,800} \\ \quad 40 \times 7 = \underline{280} \\ \quad 7 \times 4 = \underline{28} \end{array}$$

$$\begin{array}{l} 9) \quad 28 \times 50 = \underline{1,400} \\ \quad 14 \times 5 = \underline{70} \\ \quad 7 \times 5 = \underline{35} \end{array}$$

$$\begin{array}{l} 10) \quad 24 \times 70 = \underline{1,680} \\ \quad 12 \times 7 = \underline{84} \\ \quad 6 \times 7 = \underline{42} \end{array}$$

$$\begin{array}{l} 11) \quad 50 \times 90 = \underline{4,500} \\ \quad 90 \times 5 = \underline{450} \\ \quad 5 \times 9 = \underline{45} \end{array}$$

$$\begin{array}{l} 12) \quad 800 \times 90 = \underline{72,000} \\ \quad 80 \times 9 = \underline{720} \\ \quad 8 \times 9 = \underline{72} \end{array}$$

$$\begin{array}{l} 13) \quad 36 \times 70 = \underline{2,520} \\ \quad 18 \times 7 = \underline{126} \\ \quad 9 \times 7 = \underline{63} \end{array}$$

$$\begin{array}{l} 14) \quad 60 \times 36 = \underline{2,160} \\ \quad 6 \times 18 = \underline{108} \\ \quad 6 \times 9 = \underline{54} \end{array}$$

1. 3,600
2. 6,400
3. 24,000
4. 800
5. 5,400
6. 4,900
7. 15,000
8. 2,800
9. 1,400
10. 1,680
11. 4,500
12. 72,000
13. 2,520
14. 2,160