

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

1) $900 \times 60 =$ _____
 $90 \times 6 =$ _____
 $9 \times 6 =$ _____

2) $180 \times 30 =$ _____
 $18 \times 3 =$ _____
 $9 \times 3 =$ _____

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

4) $32 \times 30 =$ _____
 $16 \times 3 =$ _____
 $8 \times 3 =$ _____

5) $70 \times 80 =$ _____
 $8 \times 70 =$ _____
 $7 \times 8 =$ _____

6) $180 \times 70 =$ _____
 $18 \times 7 =$ _____
 $9 \times 7 =$ _____

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

8) $120 \times 90 =$ _____
 $12 \times 9 =$ _____
 $6 \times 9 =$ _____

9) $50 \times 24 =$ _____
 $5 \times 12 =$ _____
 $5 \times 6 =$ _____

10) $40 \times 800 =$ _____
 $4 \times 80 =$ _____
 $4 \times 8 =$ _____

11) $80 \times 32 =$ _____
 $8 \times 16 =$ _____
 $8 \times 8 =$ _____

12) $30 \times 140 =$ _____
 $3 \times 14 =$ _____
 $3 \times 7 =$ _____

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

14) $60 \times 500 =$ _____
 $6 \times 50 =$ _____
 $6 \times 5 =$ _____

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

$$\begin{array}{l} 1) \quad 900 \times 60 = \underline{54,000} \\ \quad 90 \times 6 = \underline{540} \\ \quad 9 \times 6 = \underline{54} \end{array}$$

$$\begin{array}{l} 2) \quad 180 \times 30 = \underline{5,400} \\ \quad 18 \times 3 = \underline{54} \\ \quad 9 \times 3 = \underline{27} \end{array}$$

$$\begin{array}{l} 3) \quad 50 \times 500 = \underline{25,000} \\ \quad 5 \times 50 = \underline{250} \\ \quad 5 \times 5 = \underline{25} \end{array}$$

$$\begin{array}{l} 4) \quad 32 \times 30 = \underline{960} \\ \quad 16 \times 3 = \underline{48} \\ \quad 8 \times 3 = \underline{24} \end{array}$$

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

$$\begin{array}{l} 6) \quad 180 \times 70 = \underline{12,600} \\ \quad 18 \times 7 = \underline{126} \\ \quad 9 \times 7 = \underline{63} \end{array}$$

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

$$\begin{array}{l} 8) \quad 120 \times 90 = \underline{10,800} \\ \quad 12 \times 9 = \underline{108} \\ \quad 6 \times 9 = \underline{54} \end{array}$$

$$\begin{array}{l} 9) \quad 50 \times 24 = \underline{1,200} \\ \quad 5 \times 12 = \underline{60} \\ \quad 5 \times 6 = \underline{30} \end{array}$$

$$\begin{array}{l} 10) \quad 40 \times 800 = \underline{32,000} \\ \quad 4 \times 80 = \underline{320} \\ \quad 4 \times 8 = \underline{32} \end{array}$$

$$\begin{array}{l} 11) \quad 80 \times 32 = \underline{2,560} \\ \quad 8 \times 16 = \underline{128} \\ \quad 8 \times 8 = \underline{64} \end{array}$$

$$\begin{array}{l} 12) \quad 30 \times 140 = \underline{4,200} \\ \quad 3 \times 14 = \underline{42} \\ \quad 3 \times 7 = \underline{21} \end{array}$$

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

$$\begin{array}{l} 14) \quad 60 \times 500 = \underline{30,000} \\ \quad 6 \times 50 = \underline{300} \\ \quad 6 \times 5 = \underline{30} \end{array}$$

1. 54,000

2. 5,400

3. 25,000

4. 960

5. 5,600

6. 12,600

7. 3,500

8. 10,800

9. 1,200

10. 32,000

11. 2,560

12. 4,200

13. 6,300

14. 30,000