



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. 8,100
2. 63,000
3. 63,000
4. 1,800
5. 28,000
6. 11,200
7. 30,000
8. 960
9. 4,000
10. 6,400
11. 4,000
12. 3,600
13. 1,200
14. 2,880