



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. \_\_\_\_\_

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11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_



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

Answers

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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