Steps:

1. Multiply the ones place by the ones place. (4x7)
2. Multiply the ones times the tens place (4x30)
3. Multiply the bottom tens by the top ones (20 x7)
4. Multiply the bottom tens by the top tens (20x30)
5. Add all of the products together

1. (4x7=28)
2. (4 x30=120)
3. (20x7=140)
4. (20x30=600)
5. Add

```
    H   T   O

        3   7
    x   2   4
   _____
        2   8
    1   2   0
    1   4   0
 + 6    0   0
   _____
    8   8   8
```

Steps:

1. Multiply the ones place by the ones place.
2. Multiply the ones times the tens place
3. Multiply the bottom tens by the top ones
4. Multiply the bottom tens by the top tens
5. Add all of the products together