Answer Key for Worksheet 4

Multi-digit Multiplication

Step 1:

```
  324
x  46
─────
 1944
```

Step 2:

```
   324
x   46
──────
  1944
+12960
──────
 14904
```

Q1) Find the product :

a)
```
  2 8 6
x   7 3
───────
 20,878
```

b)
```
  8 4 7
x   6 2
───────
 52,514
```

<table>
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c)   5 9 4

x   8 6

_____

51,084

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d)   9 7 8

x   6 9

_____

67,482

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Q2) Write the two missing digits to make this calculation correct.

1.

```
        4   1
  x     2   6
  _____
    2   4   6
    8   2   0
  _____
  1 0   6   6
```

2.

```
          3   2
  x       4   5
  _____
      1   6   0
  1   2   8   0
  _____
  1   4   4   0
```

Q3) Charlie is training to run a marathon.

Every day he puts on his sneakers and runs 12 miles.

How many miles does Charlie run in one full year, or 365 days?

365 x 12 = 4,380

Q4) A rectangle is 15 inches wide and 42 inches long.

Find the area of the rectangle.

(Area = Length x width)

15 x 42 = 630

Q5)A CD contains 230 music tracks.

How many music tracks would 80 CDs contain?

230 x 80 = 18,400

Q6) Complete this pattern

```
              19,008
          264      72
      11      24       3
```