Long division

Practice with and without remainder

a.

```
    12 r 6           9 r 1            6 r 1
7 | 90           6 | 55           6 | 37
    7                54               36
    20                1                1
    14
     6
```

```
    23               7 r 2            32
3 | 69           9 | 65           3 | 96
    6                63               9
    09                2               06
     9                                 6
     0                                 0
```

```
     9 r 4           4 r 2            6 r 6
6 | 58           8 | 34           8 | 54
    54               32               48
     4                2                6
```

b.

```
        128 r 1              222 r 3               73 r 2
   4 ) 513            4 ) 891             3 ) 221
       4                   8                   21
       11                  09                  11
        8                   8                   9
       33                  11                   2
       32                   8
        1                   3
```

```
        476                 145 r 4              286
   2 ) 952            5 ) 729             3 ) 858
       8                   5                   6
       15                  22                  25
       14                  20                  24
       12                  29                  18
       12                  25                  18
        0                   4                   0
```

```
        166                 216                  112 r 1
   4 ) 664            2 ) 432             5 ) 561
       4                   4                   5
       26                  03                  06
       24                   2                   5
       24                  12                  11
       24                  12                  10
        0                   0                   1
```

c.

```
        3598              3537              1295 r 1
     2|7196           2|7074           6|7771
       6                6                6
       11               10               17
       10               10               12
        19               07               57
        18                6               54
        16               14               31
        16               14               30
         0                0                1
```

```
        2879              1548              745 r 2
     3|8637           4|6192           6|4472
       6                4                42
       26               21               27
       24               20               24
        23               19               32
        21               16               30
        27               32                2
        27               32
         0                0
```

```
        2349              963 r 5           1870 r 1
     3|7047           6|5783           3|5611
       6                54                3
       10               38               26
        9                36               24
       14               23               21
       12               18               21
        27                5               01
        27
         0
```

d.

```
      6831 r 1
   6│40987
     36
     49
     48
     18
     18
      07
       6
       1
```

```
     14077 r 1
   6│84463
     6
     24
     24
      046
       42
       43
       42
        1
```

```
      4119 r 2
   6│24716
     24
     07
      6
     11
       6
      56
      54
       2
```

```
     30481 r 2
   3│91445
     9
     014
     12
      24
      24
       05
        3
        2
```

```
     10131
   2│20262
     2
     002
       2
      06
       6
      02
       2
       0
```

```
     17658 r 1
   2│35317
     2
     15
     14
      13
      12
       11
       10
        17
        16
         1
```

```
     3737 r 3
   5│18688
     15
     36
     35
      18
      15
       38
       35
        3
```

```
     19595
   2│39190
     2
     19
     18
      11
      10
       19
       18
        10
        10
         0
```

```
     14108 r 2
   3│42326
     3
     12
     12
      03
       3
       026
        24
         2
```