Subtracting 10, 11, 20 and 21

Sheet 1

Use a 1 - 100 grid or bead string to help you solve these problems.

a) $23 - 10 =$

b) $37 - 10 =$

c) $78 - 10 =$

d) $45 - 11 =$

e) $62 - 11 =$

f) $39 - 11 =$

g) $32 - 20 =$

h) $61 - 20 =$

i) $44 - 20 =$

j) $56 - 21 =$

k) $79 - 21 =$

l) $25 - 21 =$

Challenge

How many times can 21 be subtracted from 100 before you get a number smaller than 21?

Problem solving
Sheet 2

Solve these riddles.

1)   I'm thinking of a number, I take away 11 and get 24.
   What is my number?
   Write the number sentence for my riddle.

2)   I'm thinking of a number, I take away 11 and get 47.
   What is my number?
   Write the number sentence for my riddle.

3)   I'm thinking of a number, I take away 11 and get 70.
   What is my number?
   Write the number sentence for my riddle.

4)   I'm thinking of a number, I take away 21 and get 48.
   What is my number?
   Write the number sentence for my riddle.

5)   I'm thinking of a number, I take away 21 and get 33.
   What is my number?
   Write the number sentence for my riddle.

Challenge

I am a number less than 100.
If you add 11 to me, my digits add to 12.
What number could I be?
Are there any other numbers I could be?