In a decreasing sequence, each number is one less than the one before it.

What number is 3 less than 9?

(Or: What is 9 - 3?)

Keitha finds the answer by counting on her fingers. She says 9 with her fist closed and counts backwards until she has raised 3 fingers:



The number 6 is 3 less than 9.

- 1. Subtract the number in the circle from the number beside it. Write your answer in the blank.
  - a) 3 <sup>-2</sup> \_\_\_\_
- b) 12 <sup>-3</sup> \_\_\_\_
- c) 8 <sup>-4</sup> \_\_\_\_
- d) 9 (-1) \_\_\_\_

- e) 8 <sup>-5</sup> \_\_\_\_
- f) 10 <sup>-4</sup> \_\_\_\_
- g) 5 <sup>-1</sup> \_\_\_\_
- h) 9 <sup>-2</sup> \_\_\_\_

**BONUS:** 

- i) 28 <sup>-4</sup> \_\_\_\_
- j) 35 <sup>(-6)</sup> \_\_\_\_
- k) 57 <sup>(-8)</sup> \_\_\_\_
- l) 62 <sup>(-4)</sup> \_\_\_\_\_

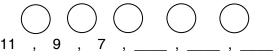
- 2. Fill in the missing numbers.
  - a) \_\_\_\_\_ is 4 less than 7
- b) \_\_\_\_ is 2 less than 9
- c) \_\_\_\_\_ is 3 less than 8

- d) \_\_\_\_ is 5 less than 17
- e) \_\_\_\_ is 4 less than 20
- f) \_\_\_\_\_ is 6 less than 25

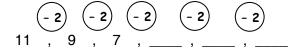
- g) \_\_\_\_\_ is 7 less than 28
- h) \_\_\_\_\_ is 4 less than 32
- i) \_\_\_\_ is 5 less than 40

3. Extend the following decreasing patterns.

Example:



Step 1:



Step 2:  $\begin{pmatrix} -2 \\ 11 \end{pmatrix}$ ,  $\begin{pmatrix} -2 \\ 7 \end{pmatrix}$ ,  $\begin{pmatrix} -2 \\ 5 \end{pmatrix}$ ,  $\begin{pmatrix} -2 \\ 3 \end{pmatrix}$ ,  $\begin{pmatrix} -2 \\ 1 \end{pmatrix}$ 



