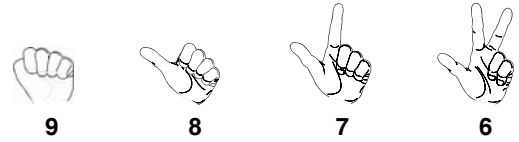


PA5-4: Decreasing Sequences

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

What number is 3 less than 9? (Or: $9 - 3 = ?$)

Jenna 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: $9 - 3 = 6$

1. Follow the directions to the circle from the number given. Write your answer in the blank:

- a) 7 $\text{\textcircled{-3}}$ _____ b) 13 $\text{\textcircled{-3}}$ _____ c) 9 $\text{\textcircled{-4}}$ _____ d) 17 $\text{\textcircled{-1}}$ _____
- e) 16 $\text{\textcircled{-5}}$ _____ f) 19 $\text{\textcircled{-4}}$ _____ g) 25 $\text{\textcircled{-1}}$ _____ h) 29 $\text{\textcircled{-2}}$ _____
- i) 38 $\text{\textcircled{-4}}$ _____ j) 45 $\text{\textcircled{-6}}$ _____ k) 63 $\text{\textcircled{-8}}$ _____ l) 72 $\text{\textcircled{-4}}$ _____

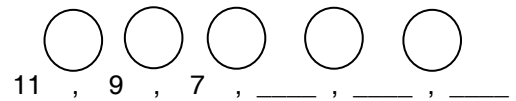
2. Fill in the missing numbers:

- a) _____ is 5 less than 17 b) _____ is 3 less than 19 c) _____ is 2 less than 18
- d) _____ is 6 less than 26 e) _____ is 8 less than 20 f) _____ is 4 less than 29
- g) _____ is 7 less than 35 h) _____ is 9 less than 42 i) _____ is 8 less than 90

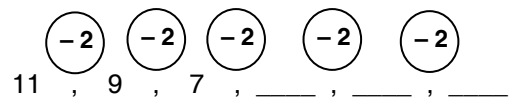
3. Extend the following decreasing patterns by first finding the gap between the numbers.

- a) $\text{\textcircled{13}}$, $\text{\textcircled{11}}$, $\text{\textcircled{9}}$, _____ , _____ , _____
- b) $\text{\textcircled{33}}$, $\text{\textcircled{28}}$, $\text{\textcircled{23}}$, _____ , _____ , _____
- c) $\text{\textcircled{64}}$, $\text{\textcircled{61}}$, $\text{\textcircled{58}}$, _____ , _____ , _____
- d) $\text{\textcircled{55}}$, $\text{\textcircled{46}}$, $\text{\textcircled{37}}$, _____ , _____ , _____
- e) $\text{\textcircled{110}}$, $\text{\textcircled{90}}$, $\text{\textcircled{70}}$, _____ , _____ , _____

Example:



Step 1:



Step 2:

