

# ACTION

# RESPONSE

### Fluency



1. List the integer solutions for the following inequalities

- a)  $-2 \leq x < 4$       b)  $-1 \leq x \leq 4$   
 c)  $-4 < x < 2$       d)  $-5 < 2x < 4$

2. Solve the following inequalities

- a)  $3a + 4 < 16$       b)  $5a - 2 \geq 13$       c)  $5p + 8 \geq 3$   
 d)  $\frac{c+4}{5} \leq 2$       e)  $3(4e - 2) < 66$       f)  $-4 \leq 2n \leq 7$

### Reasoning



1. The speed limit,  $s$ , on Chaucer Road is 30mph. Which of the following inequalities represents this statement?

- a)  $s < 30$       b)  $s \leq 30$       c)  $s \geq 30$       d)  $s > 30$

2. For what values of  $n$  is  $2n > n - 2$ ?

### Problem Solving



A new pathway through the park is being designed. Trees are to be planted 3m apart all the way along the path. The path must be at least 30m long. If  $t$  is the number of trees, which of these inequalities are true? Explain your answer.

- a)  $3(t + 1) \geq 30$       b)  $3(t + 1) \leq 30$   
 c)  $3(t - 1) \geq 30$       d)  $3(t - 1) \leq 30$



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