Go further

The musical note symbols for 'Twinkle Twinkle Little Star' song are:

1 Copy and complete Algorithms I and J for the song. Fill in the blanks.

Algorithm I

Step	Instruction
1	Start program when sprite is clicked
2	Play ___
3	Play ___
4	Play ___
5	Play ___
6	Play ___
7	Play ___
8	Play ___
9	Repeat steps 2 to 8 forever
10	Stop program

Algorithm J

Step	Instruction
1	Start program when sprite is clicked
2	Play ___
3	Repeat step 2 ___ more time/s
4	Play ___
5	Repeat step 4 ___ more time/s
6	Play ___
7	Repeat step 6 ___ more time/s
8	Play ___
9	Repeat steps 3 to 8 three more times
10	Stop program

2 Compare and contrast both algorithms.

a How many steps are there in each algorithm?

b Which algorithm is best suited to play the song repeatedly four times?

LIVEWORKSHEETS