Egg Animation: Math Extension – Graphing

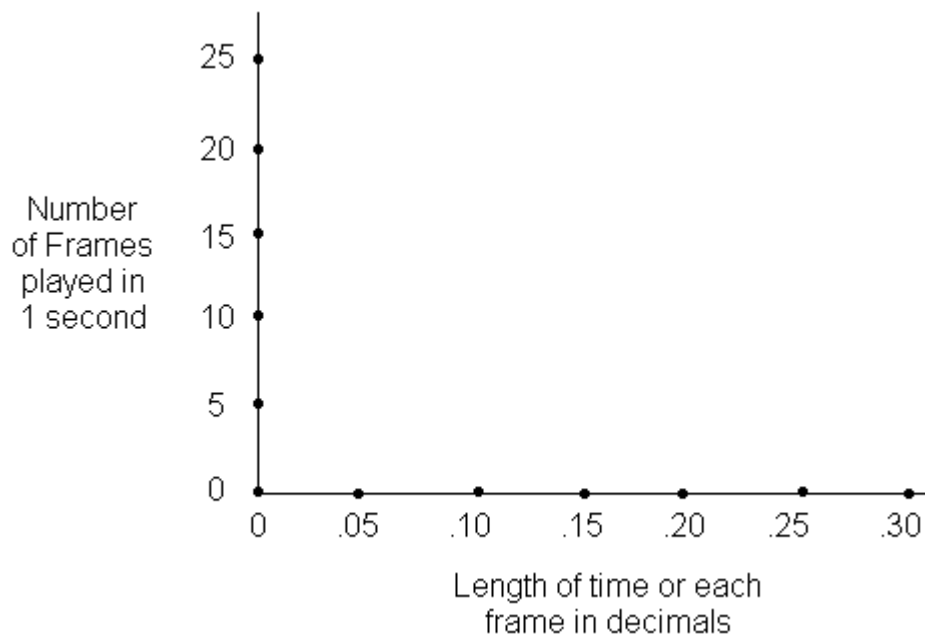**Table 1**

No. of Frames played in 1 second	Length of Time for each frame (decimals)
10 Frames	.1
20 Frames	.05
5 Frames	.2

Table 2:

Length of Time to Play the Clip	Length of Time for each frame (fractions)
1 second	1/10
2 seconds	1/20
1/2 second	1/5

Exercise 1:
Graph the information in the tables above. (Hint: Look at the labels on the x and y axes.) Then answer the multiple choice question below.
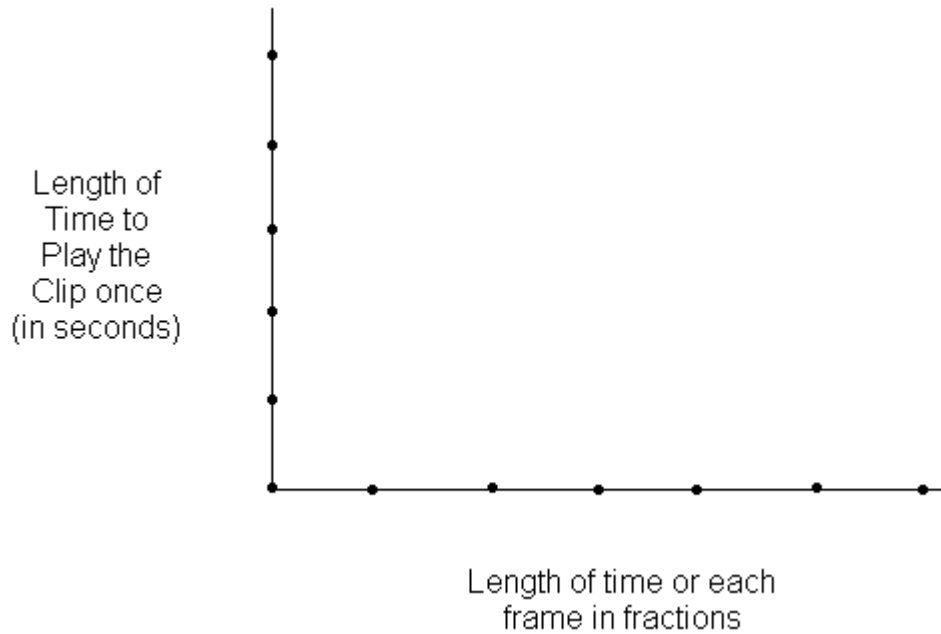

Which of the following is / are true:

a) The number of frames per second increases as the length of time for each frame increases.

b) The number of frames per second decreases as the length of time for each frame increases.

c) The number of frames per second increases as the length of time for each frame decreases.

d) The number of frames per second decreases as the length of time for each frame decreases.

Exercise 2:

Graph the information in the tables above. (Hint: Look at the labels on the x and y axes.)
Then answer the multiple choice question below.

Length of
Time to
Play the
Clip once
(in seconds)

Length of time or each
frame in fractions

Which of the following is / are true:

a) The clip plays faster as the length of time for each frame increases.

b) The clip plays faster as the length of time for each frame decreases.

c) The clip plays slower as the length of time for each frame decreases.

d) The clip plays slower as the length of time for each frame increases.