

Slide Shows

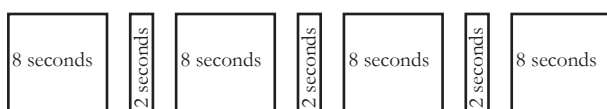
Activity

Erana and Tama are making computer slide shows of their class camping trip.

I want to show each photo for 8 seconds.
Then I want a special effect that lasts for
2 seconds before the next photo comes up.



Tama draws a diagram of a slide show with 4 photos.



1. Use Tama's diagram to help complete this table:

$8 + 2 + 8 + 2 + 8 + 2 + 8 = 38$.
That's 38 seconds for 4 slides.

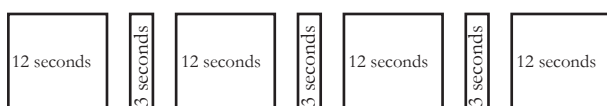
Number of photos in the slide show	Time taken (seconds)
1	
2	
3	
4	$8 + 2 + 8 + 2 + 8 + 2 + 8 = 38$
5	



10 photos is
 $(10 \times 8) + (9 \times 2)$
seconds, so 100
photos is ...

2. a. Suppose Tama's slide show had 9 photos. Find a short-cut way to predict how long the slide show would take.
b. How long would a slide show with 100 photos take?
c. Suppose the slide show takes 1 minute and 18 seconds. How many photos are there in the slide show? Explain how you got your answer.

3. Erana draws a diagram for her slide show:



- a. Write down a way that Erana can work out the total time for the slide show with any number of photos.
b. Erana makes a slide show that lasts for 297 seconds. How many photos does she show?

