

Cambridge International AS & A Level
Information Technology
9626

For examination from 2017

Topic 10 Sound and video editing
Sub-topic 10b Video editing – Task 1

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Version 1



Video editing task guide

The task guides show generic techniques but all the work is done using **Windows Movie Maker**[®]. This application was chosen because it is likely to be the most widely available as it is bundled or available as a free download in all versions of Windows. Windows Movie Maker has all the tools and features necessary for all practical work for the exam specification.

The techniques and skills learned using Movie Maker will be transferrable to other video editing applications. Probably the only difficulty with using other applications will be finding the tools and menu items in other workspaces.

Task 1

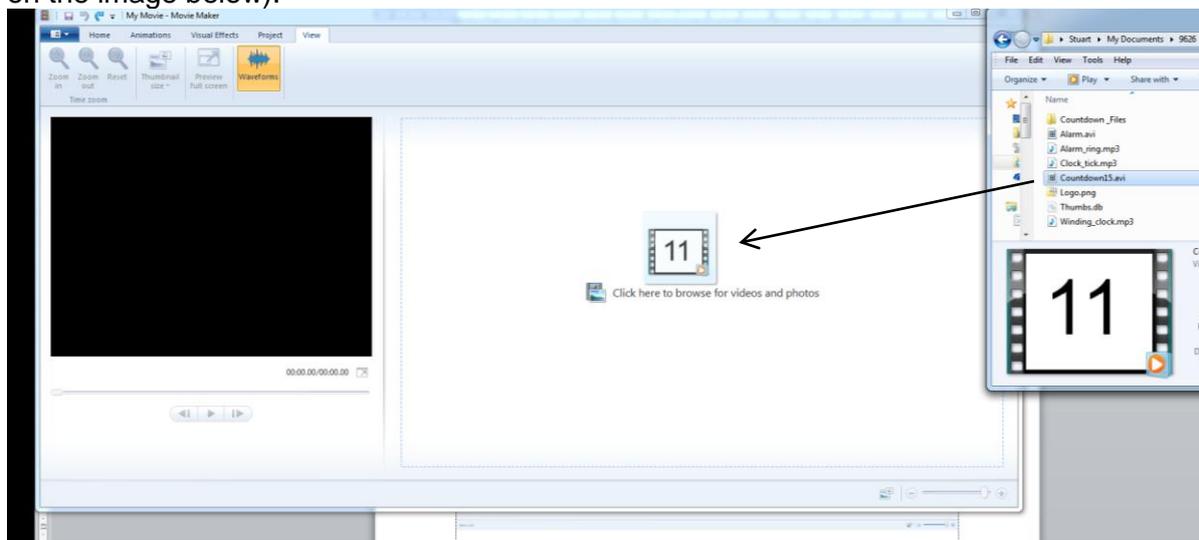
Digital video editing applications are designed to work with downloaded camera footage in order to publish a post-production version of a movie in formats like MP4, WMV and AVI etc.

This task is intended to give learners some experience of one of the most important video editing features but we will have to use a published movie. Unfortunately, this makes the stages in the task a little less clear than when editing camera footage. Learners should concentrate on the methods and tools used and not on achieving a perfect result.

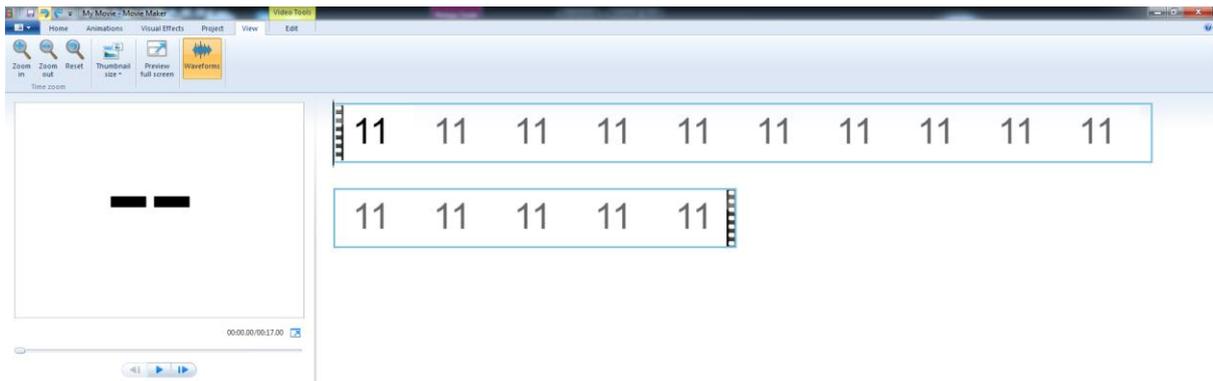
When working on this task it is advisable to save your work as a project and also as a movie. The project file keeps discrete clips and this makes it easier to amend and add additional features.

(1) Open the **Countdown15.avi** movie.

The quickest way to load the movie is to drag and drop the file into Movie Maker (as shown on the image below).



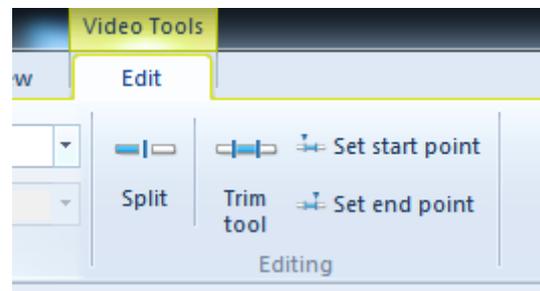
At this point it is clear that Movie Maker has not displayed each clip properly in the timeline/storyboard. It seems to have taken a random snapshot and used this for each clip. (This seems to be the case for many video editing applications.)



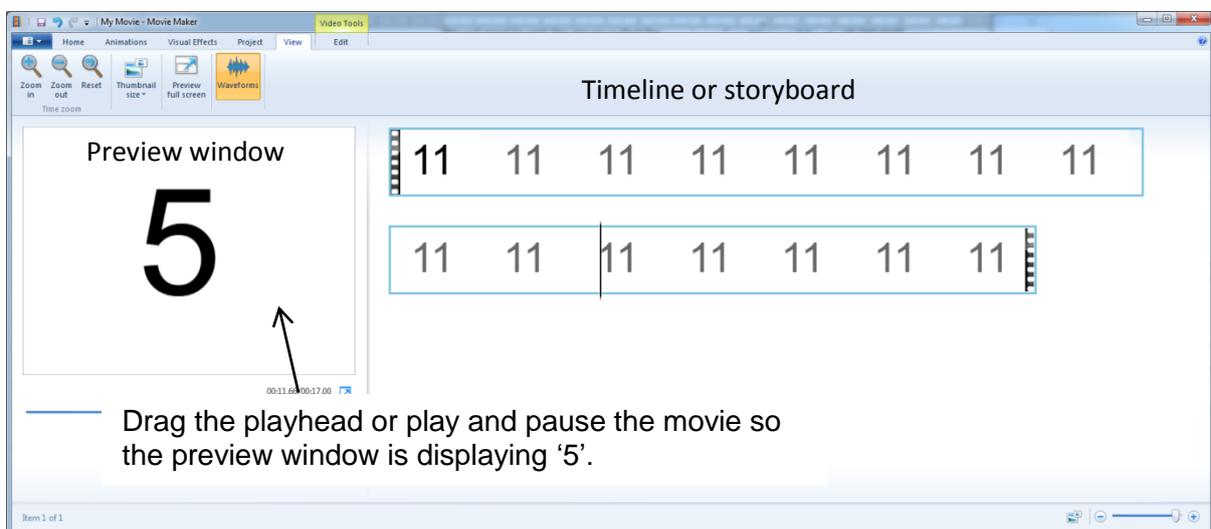
When we play the video we can see that it is a countdown from 15 to 0 but we should be able to spot that the numbers 3 and 4 are in the wrong order.

(2) The sequence of the countdown is wrong. Split the movie into parts that enable the numbers to be re-ordered.

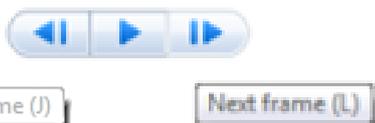
To achieve this we will have to use the 'Split' tool from the 'Edit' menu and split the video into separate clips that can be re-ordered. We will need to split the movie so that the frames for '3' and '4' are in separate clips.



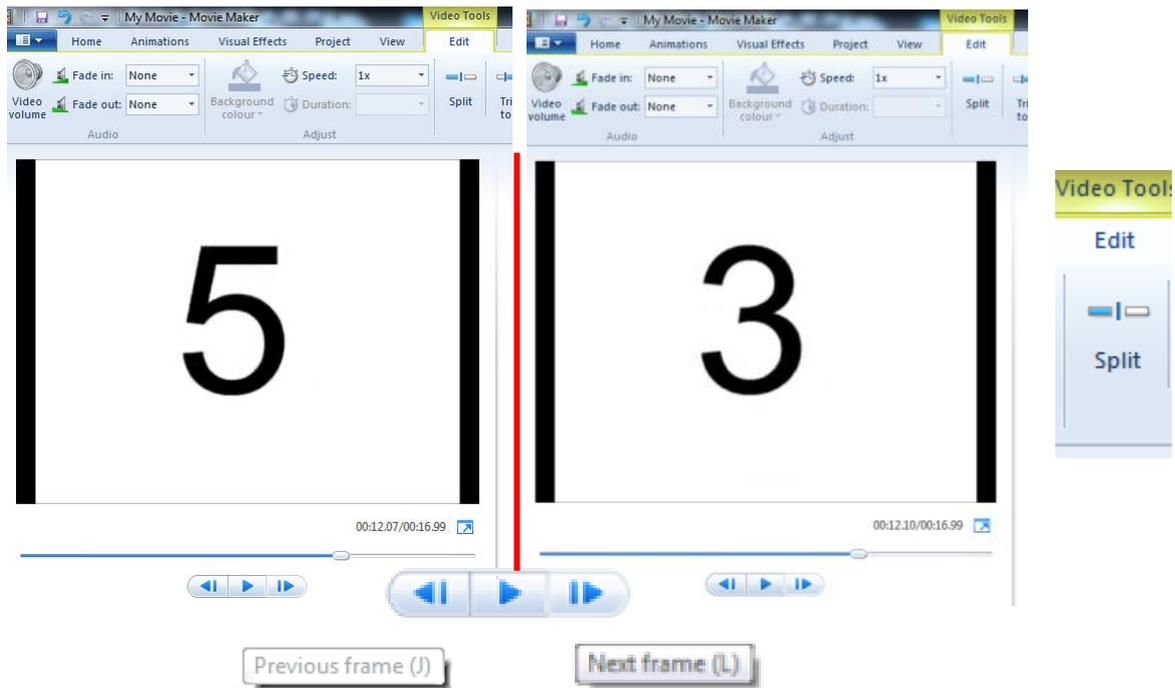
We will need to split the movie after the frames for '5'.



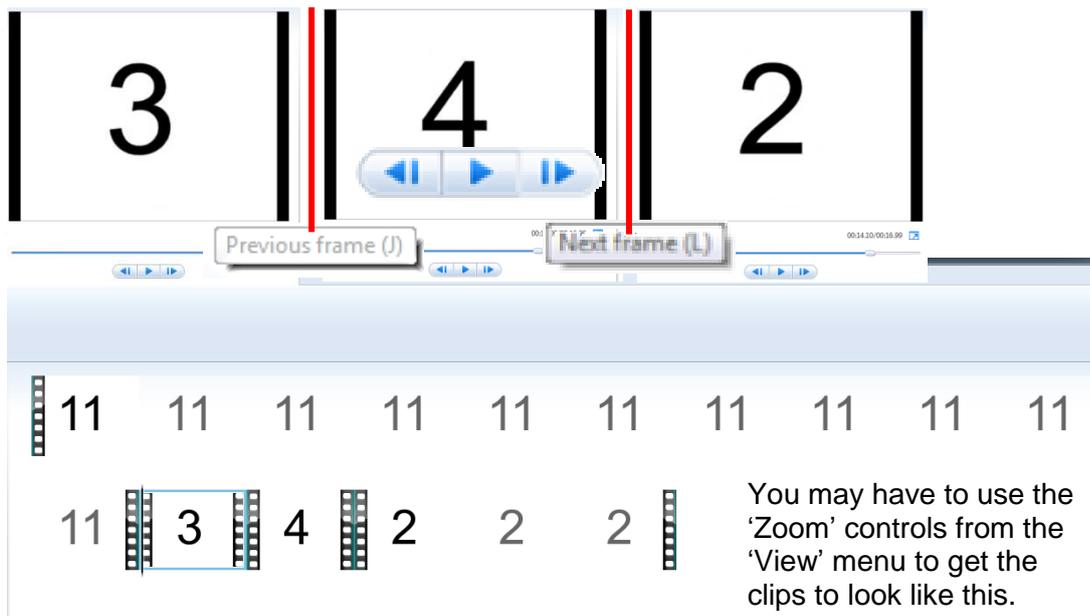
You can use the control buttons to move one frame at a time to find the first frame for '3' and click the 'Split' menu item.



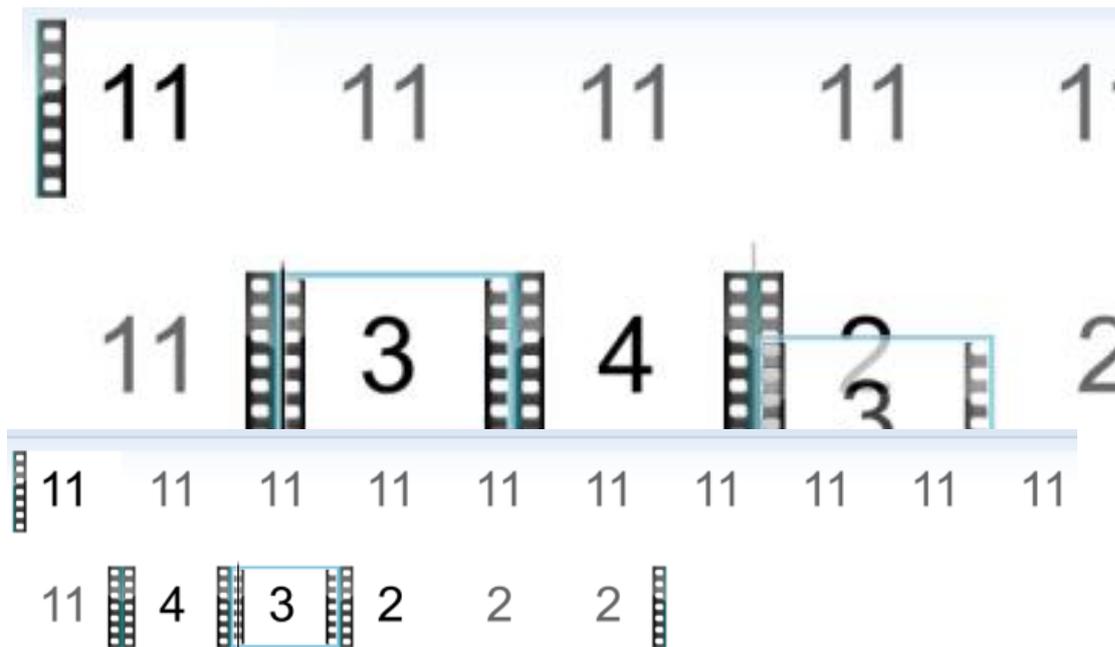
Some fine control is needed here otherwise single frames can be left attached to the wrong clip. Use the 'Next frame' and 'Previous frame' control buttons to move back and forth until you are sure you have found the first frame of the '3'.



We then need to split the video between the '3' and the '4' and then the '4' and the '2'.

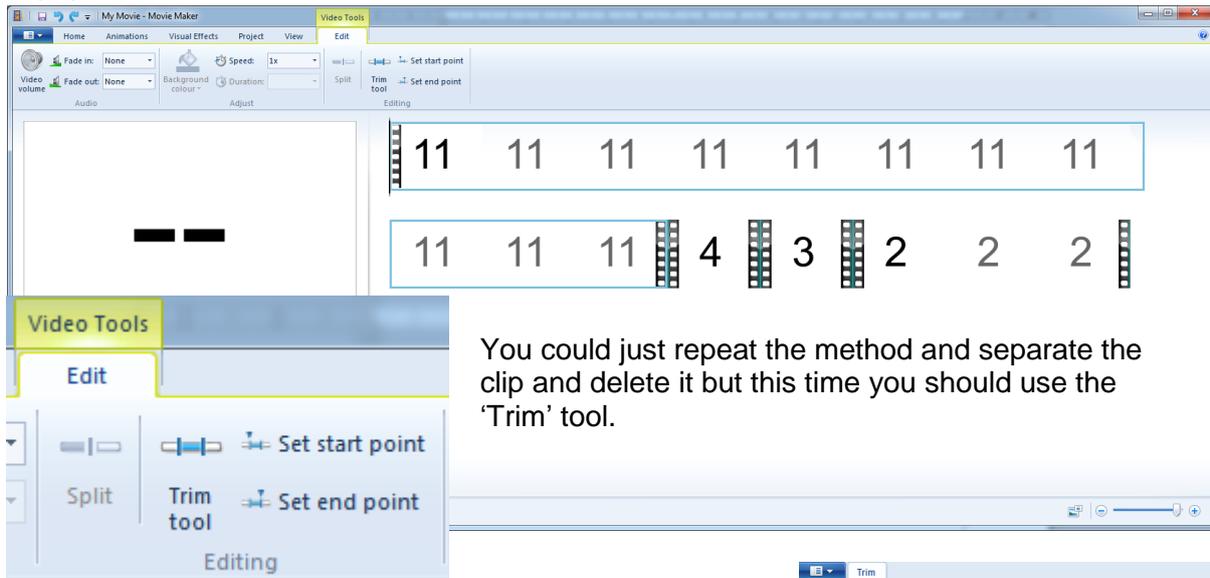


We can now drag and drop the clips into the right order.



The clips are now in the right order. Play the video to confirm the correct countdown sequence. Do not worry about a polished result as understanding the method is the most important issue.

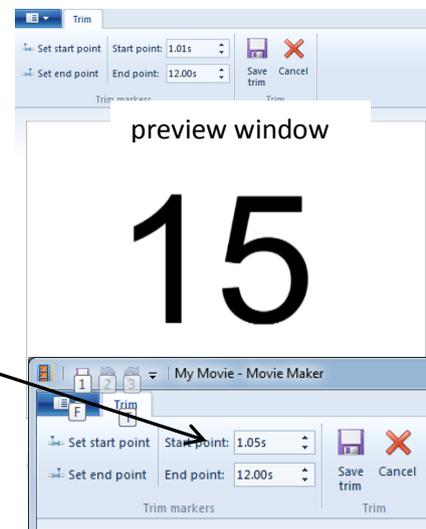
(3) Remove the leading dashes (--) and replace with a title frame with '15 second timer' as the text



The first clip runs from the dashes to '5' that is 12 seconds long.

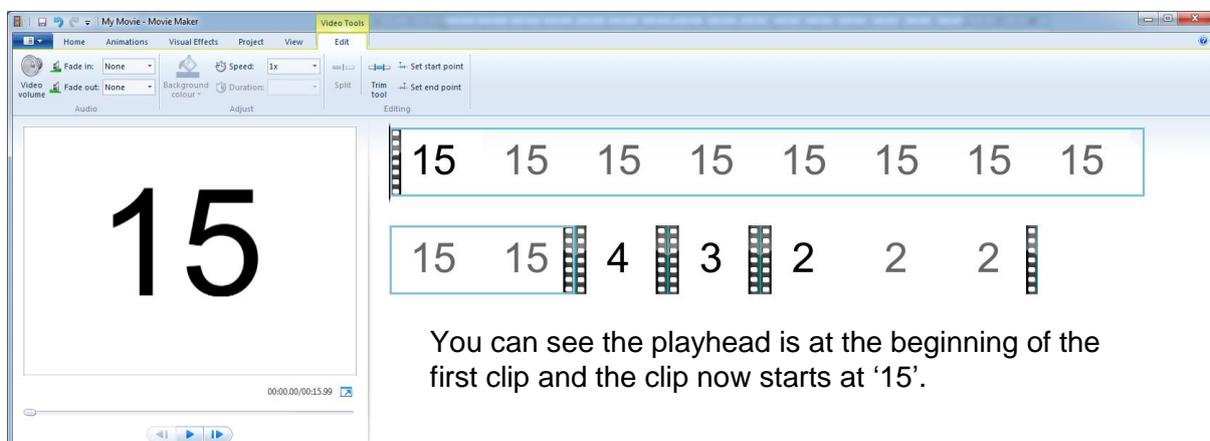
Make sure the playhead is at the start of the movie and click the 'Trim' tool icon.

Move the left slider control until the first frame of the '15' clip shows in the preview window. (The start point box should show about one second.)



At this point you can see the trim will be from about one second to the end of the 12-second clip.

Click the 'Save trim' icon.

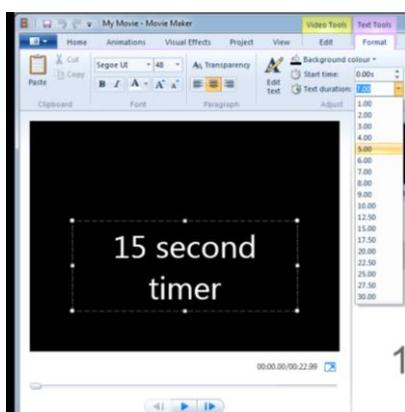
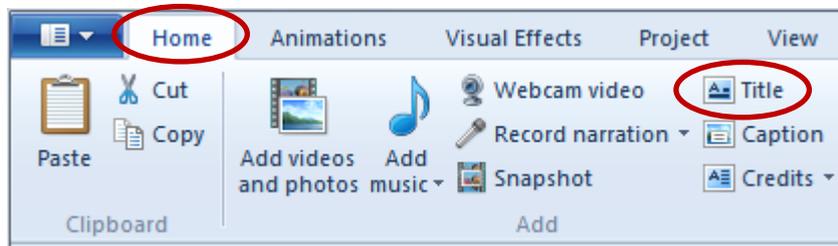


You can now replace with a title frame with '15 second timer' as the text.

(4) Set the duration of the title frame to five seconds.

With the 'Home' tab selected click on the 'Title' icon.

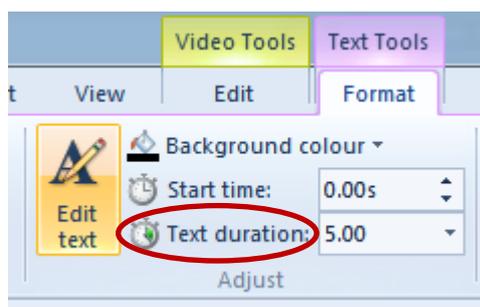
A title frame will appear in the preview window where you can enter the text.



The menu ribbon will change to the 'Text Tools' tab.

(4) Set the duration of the title frame to five seconds.

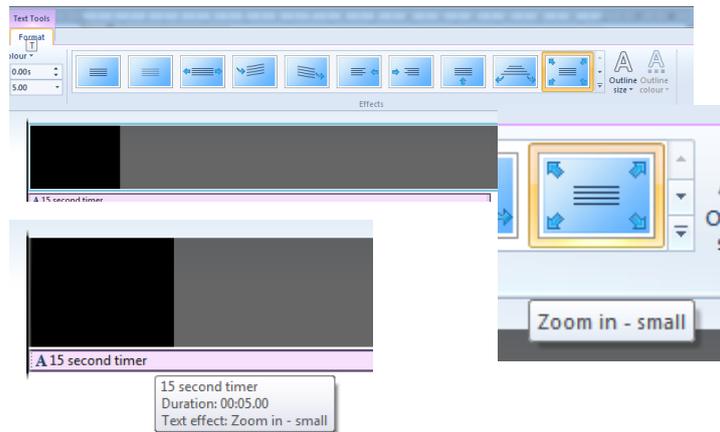
On the Text Tools tab, set the text duration to five seconds.



(5) Add a Zoom effect to the title frame.

Click and select the title clip.

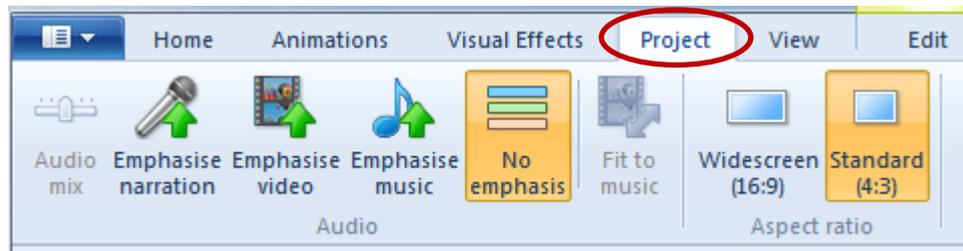
Move the mouse pointer and hover over the icons in the effects ribbon. Click and choose zoom effect.



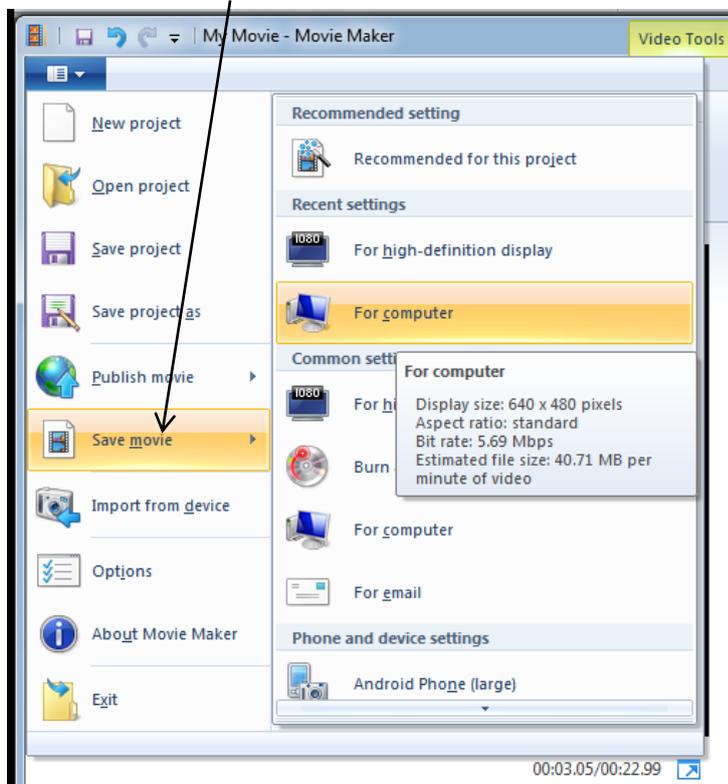
(6) Save the movie in an aspect ratio of 4 : 3 with a size of 640 x 480 in .mp4 format.

Click the 'Project' tab on the ribbon.

Click and select standard (4 : 3) aspect ratio.



Click on the project icon and select 'Save movie'.



Move the mouse pointer and hover over the settings menu and find the 640 x 480 setting.

Click to choose the 640 x 480 setting, select the MPEG (*.mp4) option and click 'Save'.

