



# Cinema trip



# WEEK 8 – FUNCTIONAL SKILLS TARGETS LEARNER CHOICE...

1. Calculate movie length times
2. Find discount prices on movie tickets

3. Use maps to plan distances to a cinema.  
Calculate best buy for cinema food  
Work out a seating plan  
Resize a movie advert / image



Entry level

Level 1

Level 2



# MATHEMATICAL TARGETS

- Recognising common fractions and finding fractions of a value (entry)
- Ratios, direct proportion and simplifying with whole numbers (L1,L2)
- Comparing ratios with whole and part no.s (L2)

## Stretch and Challenge

- Equivalent fractions (entry)
- Find fractions of measurements (cms) (entry)
- Divide amounts up into ratio parts (L1/L2)
- Work with length /area /volume measures (L1/L2)




- Employability
  - Participate in group tasks
  - Reflect on own weakness and choose independent study
  - Gain employability skills in the Movie industry
- 
- English
  - Participate in task discussion
  - Recognise key words



Browser address bar: [https://www.youtube.com/watch?v=jNU\\_jrPxs-0](https://www.youtube.com/watch?v=jNU_jrPxs-0)

YouTube GB



Terminator: Genisys Official Trailer #2 (2015) - Arnold Schwarzenegger Movie HD

Movieclips Trailers

Subscribe 8,042,826

18,483,052

Up next

- Terminator: Get Terminator by Paul Phillips 4:38 1,719,915
- Deadpool Reynolds by Movieclips 2:41 11,227,895



- [https://www.youtube.com/watch?v=jNU\\_jrPxs-0](https://www.youtube.com/watch?v=jNU_jrPxs-0)

## ENTRY LEVEL FRACTION VOCABULARY: WORDS WE WILL BE USING TODAY

- ▶ Bottom Number
- ▶ Top number
- ▶ Denominator
- ▶ Numerator
- ▶ Cancelling down
- ▶ Cut
- ▶ Divide
- ▶ Equivalent fractions
- ▶ Part
- ▶ Share
- ▶ Split
- ▶ Mixed
- ▶ Simplify



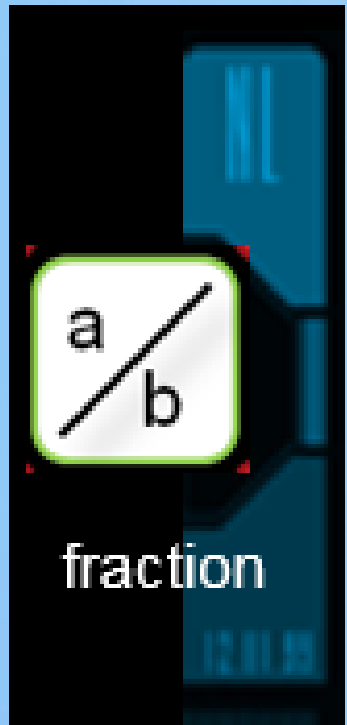
# LEVEL 1 AND 2 RATIO VOCABULARY: WORDS WE WILL BE USING TODAY



- ▶ Proportion
- ▶ Scale
- ▶ Enlarge/Enlargement
- ▶ Reduce/Reduction
- ▶ Equivalent
- ▶ Simplest form
- ▶ Ratio



# Entry level



# Level 1 and 2

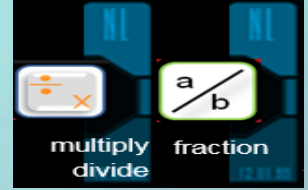




# GROUP TASK

## FUNCTIONAL SKILLS – CINEMA TRIP

Entry Level 1-3 Task... at home and at work



- 1 Represent fractions pictorially and find fractions of movie lengths..
  - a. Choose nine movie posters. Take a sheet of fraction circles from  $\frac{1}{2}$  to  $\frac{1}{10}$
  - b. Place the movie posters on flip chart and cut them up to show half, third..tenth. You will need to measure the length of the posters and cut them to the correct number of centimetres
  - c. Stick next to each poster the correct fraction circle.
  - d. Select different movie lengths at random adding one to each poster to show how long that film lasts. Calculate the length of time the movie has been running for depending on the fraction shown eg. A movie 120mins long is matched to  $\frac{1}{3}$ . Show  $\frac{1}{3} \times 120\text{mins} = 40\text{mins}$ ...(roll 3 dice ?)
- 2 Find actual ticket prices at a variety of cinemas. Calculate the discounted cost.
  - a. Look up a cinema and find the cost of tickets of Adults, Children and OAPs
  - b. Create a table of prices of each category and for each fraction discount between  $\frac{1}{2}$  and  $\frac{1}{10}$

**Extension..**

**Can you add to your fraction poster the extra sheet showing fractions in lots of other ways? Can you make the connection between division and fractions and show they are the same?..**





# GROUP TASK

## FUNCTIONAL SKILLS – CINEMA TRIP

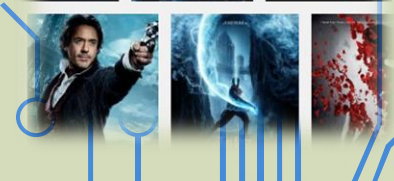
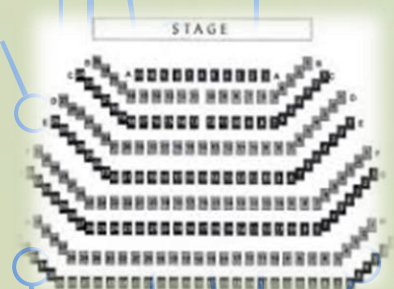
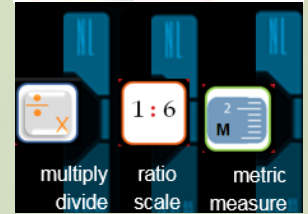
Level 1 Task... at home and at work

Choice of Cinema Themed Activities.....

- 1 Use the maps and questions cards (Plan a trip to the cinema, read and measure from maps and scales)
- 2 Split groups of cinema goers between rows of seats
- 3 Enlarge and reduce posters/images in direct proportions
- 4 Create questions of your own related to using ratios in a real life situations

Extension tasks....

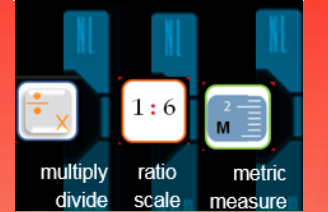
Use the dominos or puzzles to extend your learning of this topic.  
Look at best buy using the activities provided.





# GROUP TASK

## FUNCTIONAL SKILLS – CINEMA TRIP



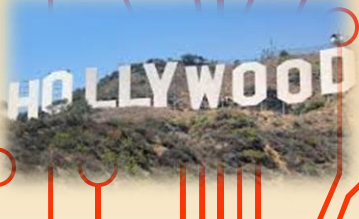
Level 2 Task...

Choice of Cinema Themed Activities.....

- 1 Use the maps and questions cards (Plan a trip to the cinema, read and measure from maps and scales)
- 2 Split groups of cinema goers between rows of seats
- 3 Enlarge and reduce posters/images in direct proportions
- 4 Create questions of your own related to using ratios in a real life situations

Extension tasks....

Use the dominos or puzzles to extend your learning of this topic. Look at best buy using the activities provided.



# LEARNER VOICE

- <http://padlet.com/mathsmen230774/s0v1h5cgkauo>

