



Fireworks

A whole-group activity for November 5th,
Diwali, New Year's Eve or
the Chinese New Year.



I have a box of 28 fireworks.

I allow 6 minutes for each firework.

If I want the fireworks to be over by 9.15 pm, what is the latest time that I must start setting them off?

Ask learners to choose and share their own method of calculation:

- 28 times 6 minutes = 168 minutes = 2 hours 48 minutes
- 9.15 pm minus 2 hours 48 minutes = start time of 6.27 pm at the latest
- For Entry Level learners, allow 5 minutes per firework and move the hands on a clock face

Main curriculum links

N1/E3.9 L1.3	problem solving, written calculations.
MSS1/E3.5	read, measure and record time.
MSS1/L1.3	calculate using time
MSS1/L2.2	calculate, measure and record time in different formats

Extension ideas

Ask learners to make up their own related problems (in pairs) and share with group e.g.

- What time to put the potatoes in the oven (to be ready to eat after the fireworks)?
- Sparklers come in packs of 5. Allow x per child – how many needed for y children?
- The box of fireworks cost £z – what's the average price per firework?