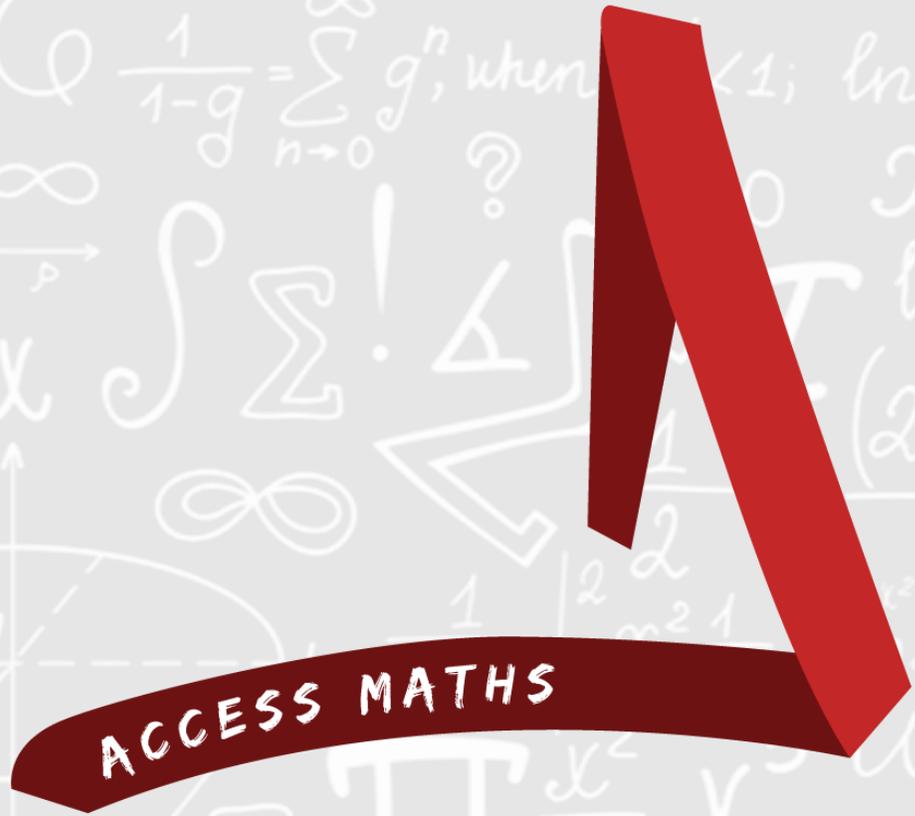


NUMERACY CHALLENGE



LEVEL 1

LEVEL 2

NUMERACY CHALLENGE

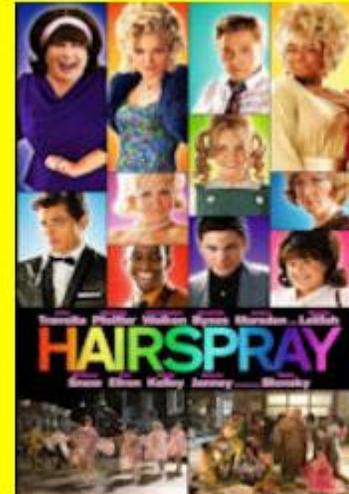
1. If you watched all of these films, one after the other, how long would it take?



2h 13mins



3h 21mins



1h 32mins



2h 1min

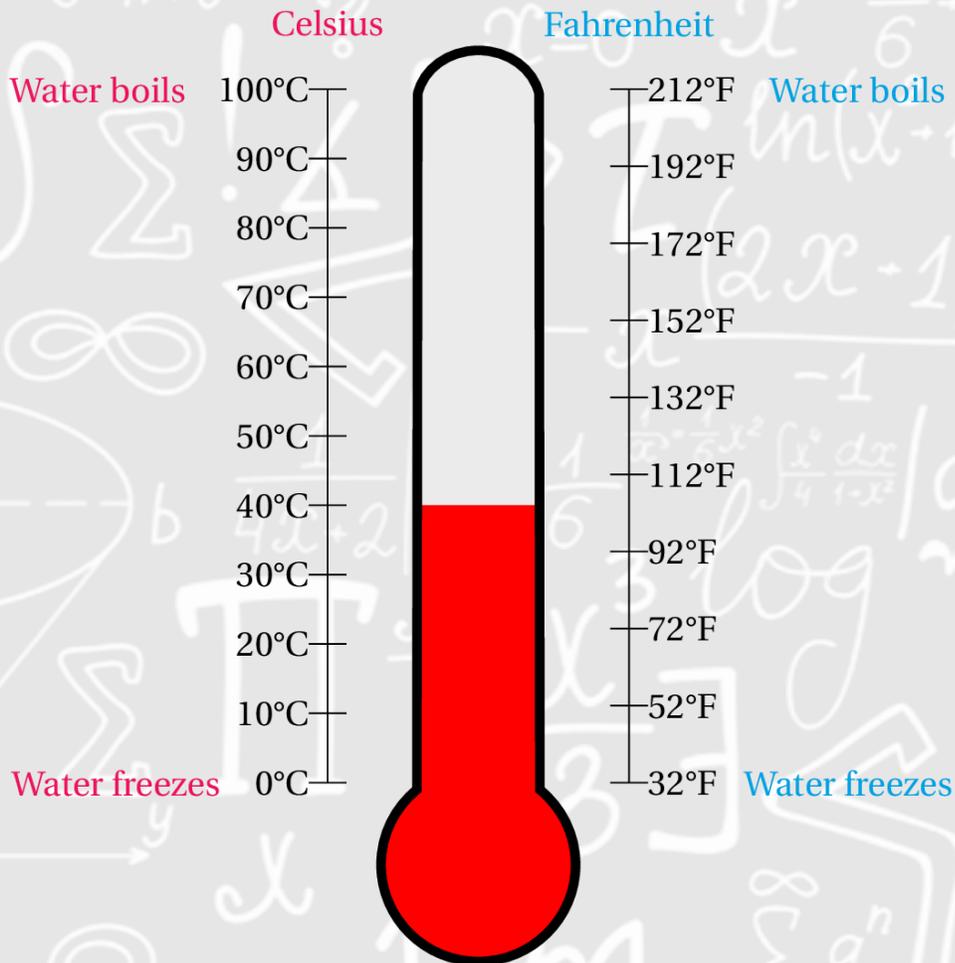


1h 24mins

Once you finish:

2. If you started watching at 7:15pm, what time would you finish?
3. Which three films have a total time of 6 hours and 58 minutes?

NUMERACY CHALLENGE



Temperature is often measured in degrees Celsius, °C, or degrees Fahrenheit, °F

The freezing point of water is 0°C and 32°F.
The boiling point of water is 100°C and 212°F.

The average temperature in October in the UK is 10°C and 50°F.

Can you describe a way of converting Celsius readings into Fahrenheit mathematically?

This will require some trial and error!

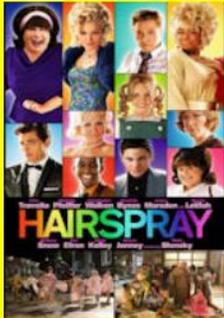
NUMERACY CHALLENGE LEVEL 1



2h 13mins



3h 21mins



1h 32mins



2h 1min



1h 24mins

1. If you watched all of these films, one after the other, how long would it take?
2. If you started watching at 7:15pm, what time would you finish?
3. Which three films have a total time of 6 hours and 58 minutes?

NUMERACY CHALLENGE LEVEL 1



2h 13mins



3h 21mins



1h 32mins



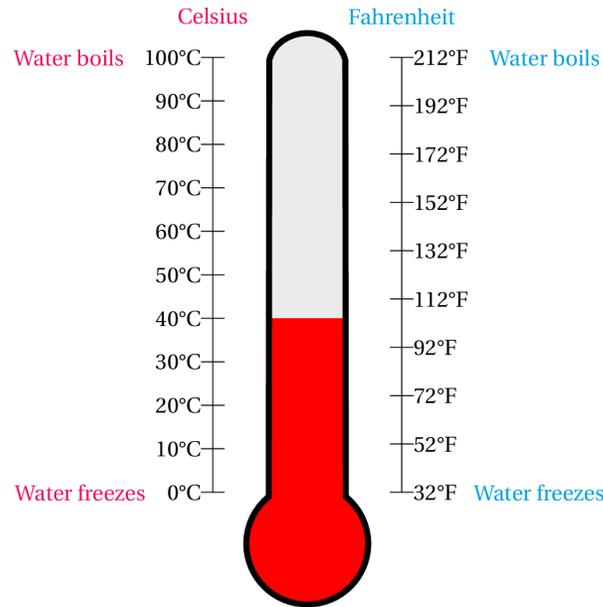
2h 1min



1h 24mins

1. If you watched all of these films, one after the other, how long would it take?
2. If you started watching at 7:15pm, what time would you finish?
3. Which three films have a total time of 6 hours and 58 minutes?

NUMERACY CHALLENGE LEVEL 2



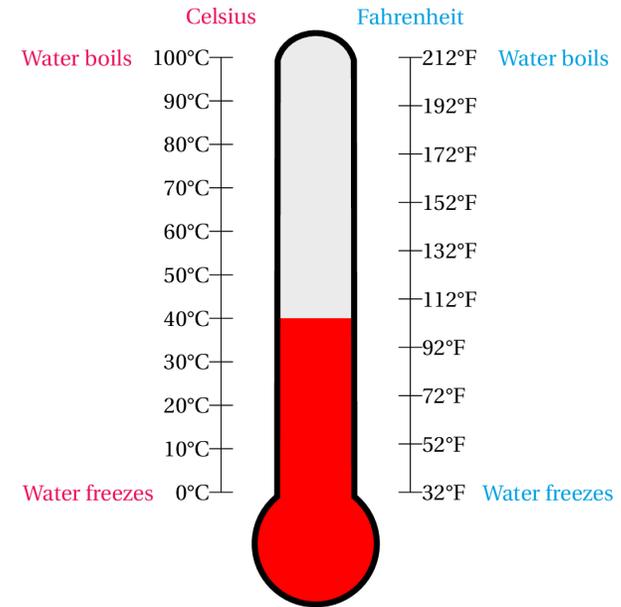
Temperature is often measured in degrees Celsius, °C , or degrees Fahrenheit, °F

The freezing point of water is 0°C and 32°F.
The boiling point of water is 100 °C and 212°F.

The average temperature in October in the UK is 10 °C and 50°F.

Can you describe a way of converting Celsius readings into Fahrenheit?

NUMERACY CHALLENGE LEVEL 2



Temperature is often measured in degrees Celsius, °C , or degrees Fahrenheit, °F

The freezing point of water is 0°C and 32°F.
The boiling point of water is 100 °C and 212°F.

The average temperature in October in the UK is 10 °C and 50°F.

Can you describe a way of converting Celsius readings into Fahrenheit?

LEVEL 1

LEVEL 2



1. Adding the hours and minutes separately we get: 9 hours and 91 minutes. 91 minutes equates to 1 hour and 31 minutes. So the total is **10 hours and 31 minutes.**
2. Starting at 7:15pm we would finish at **5:46am**
3. The trick here is to find three films where the minutes total '58'. The answer is **Shaun the Sheep, Lord of the Rings and Ghost Protocol.**

This is really quite a tricky one!!!

If you are trying this with your group you could give them the hint that they have to first multiply by something and then add a fixed number each time. (You could suggest multiplying by 2 and seeing if they add the same amount each time!)

The trick is to look at the statement :

'The freezing point of water is 0°C and 32°F.'

This tells us we have to add 32 at some point.

Subtracting 32 from the other two statements leaves us with the question of how to get from 10 -> 18 and from 100 -> 180

So we have to add on 80% first or multiply by 1.8.

The final answer is multiply by 1.8 (increase by 80%) and then add 32.