chool time graphs

nterpret and present continuous data in simple time graphs
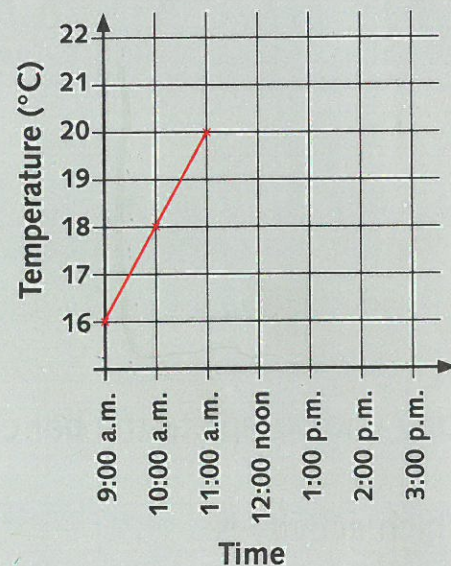
The table shows the temperature in Tim's classroom on one day.

You will need:
- squared paper
- ruler

Time	Temperature (°C)
9:00 a.m.	16
10:00 a.m.	18
11:00 a.m.	20
12:00 noon	20
1:00 p.m.	22
2:00 p.m.	21
3:00 p.m.	19

Classroom temperatures

1 Copy and complete the time graph.

a Mark each point on the graph using a cross.

b Join the crosses using straight lines to make your time graph.

2 At what time was the room temperature:

a at its warmest?

b at its coolest?

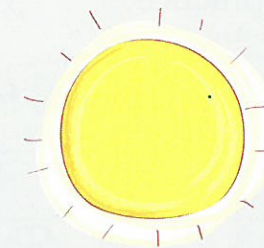3 Write two times when the temperature was the same.

4 After what time did the temperature in the room begin to fall?

Challenge 2

1 The table shows the temperature outside on one day. Use the information in the table to complete the time graph.

You will need:
- squared paper
- ruler

Time	Temperature
9:00 a.m.	6°C
10:00 a.m.	8°C
11:00 a.m.	10°C
12:00 noon	13°C
1:00 p.m.	15°C
2:00 p.m.	14°C
3:00 p.m.	11°C

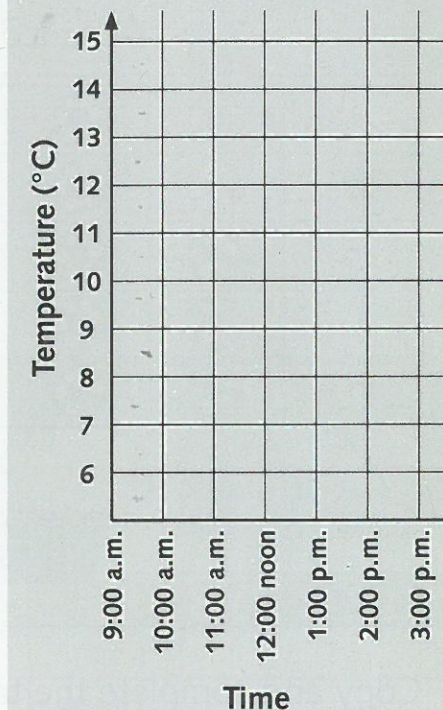**Outside temperatures**

2 Write the time when it was:

a coldest outside   b warmest outside

3 Between which two hours did the temperature:

a rise the most?   b fall the most?

4 Between which times was the temperature 10°C or warmer?

Challenge 3

1 The table shows the temperature in the school's kitchen.

Time	10:30 a.m.	11:00 a.m.	11:30 a.m.	12:00 noon	12:30 p.m.	1:00 p.m.
Temp. in °C	16	18	23	25	20	17

a Describe how the temperature in the kitchen changed between 10:30 a.m. and 1:00 p.m.

b What was the approximate temperature in the kitchen at 11:45 a.m.?