

## Paris Problem Solving



1. A patisserie in Paris sells 360 pastries each week.  
 $\frac{2}{3}$  of the pastries sold are croissants.
  - a. How many croissants did the patisserie sell each week?
  - b. Of the remaining pastries, half were pain au chocolat. How many pain au chocolat did the patisserie sell?
  
2. The Stade de France holds 80,698 people.
  - a. Round this number to the nearest hundred.
  - b. Round this number to the nearest thousand.
  - c. The stadium reduces its capacity to 78,338 for track and field events. By how much has the maximum capacity been reduced?
  
3. A river boat runs cruises on the River Seine. On Sunday it operated 5 trips. Here is a table of how many people travelled on these trips:-

Trip	Number of people on each trip
1	15
2	22
3	23
4	14
5	21

- a. Find the mean number of people who travelled on Sunday. [Remember the mean is the average]
  - b. Find the median of the number people who travelled on Sunday? [middle number]
4. The Eiffel Tower has 1665 steps. An adult ticket costs 25 euros and a youth ticket costs 13 euros.
- a. Round the number of steps to the nearest 10.
  - b. Round the number of steps to the nearest 100.
  - c. How much would it cost for a group of 20 young people with 2 teachers to visit the tower?
  - d. The Eiffel Tower gives a 10% discount to groups from Scottish schools. Assuming this group is from Scotland, how much did they pay?
  - e. Now go online to find out what today's exchange rate is for £/euro. Calculate how much the entry fee is in £ sterling.

