

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? **240**

b. Of the remaining pastries, half were pain au chocolat. How many pain au chocolat did the patisserie sell? **60**

2. The Stade de France holds 80,698 people.

a. Round this number to the nearest hundred. **80,700**

b. Round this number to the nearest thousand. **81,000**

c. The stadium reduces its capacity to 78,338 for track and field events. By how much has the maximum capacity been reduced? **1,662**

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] **19**
- b. Find the median of the number people who travelled on Sunday? **21**

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. **1670**
- b. Round the number of steps to the nearest 100 **1700**
- c. How much would it cost for a group of 20 young people with 2 teachers to visit the tower? **310euros**
- d. The Eiffel Tower gives a 10% discount to groups from Scottish schools. Assuming this group is from Scotland, how much did they pay? **279euros**
- e. Now go online to find out what today's exchange rate is for £/euro. Calculate how much the total entry fee for the group is in £ sterling. [Use a calculator]

On 9-5-20 1 euro = £0.88

Cost of trip = 279×0.88

= **£245-52** [Your answer may be differ according to the exchange rate]

