*I can use my knowledge of adding and subtracting fractions with denominators that are multiples of the same number to work out these problems*

1) Kira adds 5**2/7** and 7**3/14**. What is her answer?

2) 480 pupils are in assembly. **5/8** of the pupils are in assembly and sitting on chairs. **3/12** of pupils are sitting on cushions. What fraction of the pupils are in assembly and not sitting on chairs or cushions? How many pupils is this?

3) Krishma is trying to work out what **3/12** plus **two thirds** is. She writes **5/12**? Is she correct? Explain.

4) The frog swims **3/15**of the pond’s length. He then swims another **2/5**. What fraction of the pond’s length did the frog swim in total? If the total length of the pond is 1500m, how far in metres, has the frog got to swim?

5) Brianna eats **2/10** of her raisins at breakfast, **3/20** at lunch and **2/5** at tea-time. What simplified fraction of her raisins has she eaten?

6) Olivia ran **7/9** of the marathon. Leo ran **15/18**. What is the difference between the distances they ran, as a fraction?

7) Riley subtracts 2**3/8** from 4**3/4**. What should his answer be?

8) Quasim adds 7**5/6** to 3**5/18**. What should his answer be as a simplified mixed number?

Answers

1. **127/14 or 12 ½**
2. **A) 60/480 or 6/48 or 1/8 B) 60**
3. **11/12**
4. **A) 9/15 B) 600 m**
5. **¾**
6. **1/9**
7. **23/8**
8. **111/9**