**Problem Solving – Mixed Problems**

1. In one year 2 430 children swim at the local swimming pool. If they pay £1.25 each how much does the leisure centre make from the children’s swimming? £3037.50

2. What operation does the \* represent? ÷

3740 \* 55 = 68

How can you check? 68 x 55 (inverse)

3. Miss Lynn needs 7.5kg of modelling clay for her class to all make masks. She has 2750g. How many more kilograms does she need to buy? 4.75kg

4. Amanda competed in triathlon. She swam 5km and 33m, cycled 4.2km and ran 15.8km. How many metres did she travel altogether? 25033m

5. The time in New York is 5 hours behind the time in London. If it is 12:17pm in London what time is it in New York in 8½ hours’ time? 15:47

6. Rosie has made a box that measures 20cm wide, 5cm in length and 30cm in height. What area of wrapping paper would she need to cover the box? 1700cm2

7. Classes 3, 4, 5 and 6 are going on a school trip together. There are 30 children in each class, and 6 adults per class are going to accompany them. A school bus has 52 seats. How many buses will be needed to take the children? How many empty seats will there be?

3 buses; 12 empty seats

8. A Year 6 classroom is made up of two areas. The wet area where the sink is measures 3m by 6m and the carpeted area measures 8m by 12m. What is the area of the classroom?

114m2