LI – Revision of fraction problems (bar models)

1) There are 18 cups on a shelf and one sixth are white. How many are white?

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| 18 |
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2) Of the ten flowers in the vase on my desk three fifths are pink. How many flowers are not pink?

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| 10 |
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3) The school choir has 36 members. One quarter are boys. How many are girls?

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| 36 |
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4) In the football squad there were 16 children. One eighth were girls from year 5. One half were boys in year 6. One eighth were girls from year 6. How many boys from year 5 are in the team?

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| 16 |
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5) Nine tenths of the 60 people in the cinema are eating popcorn. How many people is this?

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| 60 |
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6) There were 120 school children going to the Royal Albert Hall. There were 2 coaches,

each carrying 1/2 of the children. On the second coach 1/6 of the children had medication with them. On the first coach ¾ of the children felt travel sick.

1. How many children on the second coach did not have medication?
2. How many children on the first coach felt travel sick?

*First Coach*

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*Second Coach*

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7) A cake maker is baking a wedding cake that needs three different sized tiers. The mixture

weighs 3663g. He uses 4/9 of the mixture for the bottom tier, ⅓ of the mixture for the middle

tier and 2/9 of the mixture for the top tier. What is the weight of the mixture for each tier?

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8) At the Olympics, a country won 84 medals. ½ of the medals were gold, ⅓ of the medals were

silver and the rest were bronze. How many of each colour medals were won? (*Draw your own bar model)*

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9) At the local triathlon, competitors travel a total distance of 25km. They cycle 4/5 of the distance. From the remainder of the distance, they run 7/8 and swim 1/8. What is the distance that the competitors run, swim and cycle in km? *Draw your own bar model)*

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