1.3.21

L.O. To solve problems with fractions

1. There are 24 coloured cubes in a box.

   $^1/_3$ of the cubes are red, $^1/_6$ of the cubes are blue and the rest are green.

   a. How many green cubes are in the box?

   One more **blue** cube is put into the box.

   *b. What fraction of the cubes in the box is **blue** now?*

2. Here are five number cards.

½	1½	2	2½	3½

   Use three of them to make this calculation correct.

(☐ + ☐) x ☐ = 10

3. Ben cuts a pizza into 8 equal slices.

   Ben eats $^5/_8$ and Sue eats $^1/_4$ of the pizza.

   What fraction of the pizza is left?

4.

$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{10}$	$\frac{1}{20}$	$\frac{1}{40}$

   Use three of these fractions to complete the calculation below.

☐ + ☐ + ☐ = $\frac{1}{2}$

5. On Saturday, Lara read $^{2}/_{5}$ of her book.

   On Sunday, she read the remaining 90 pages to finish the book.

   How many pages are there in Lara's book?

6. Lucy ate $^{3}/_{4}$ of her bag of crisps, James ate $^{7}/_{8}$ of his bag of crisps and Lisa ate $^{1}/_{2}$ her bag.

   How many bags did they eat in total?

7. Rebecca is building a birdhouse and to finish it she needs **five** pieces of wood that are each $4^{3}/_{4}$ inches long.

   She has a piece of wood that is 22 inches long.

   Will this be long enough?

8. Ben thinks of a number.

   He adds half of the number to a quarter of the number.

   The result is 60.

   What was the number Ben first thought of?