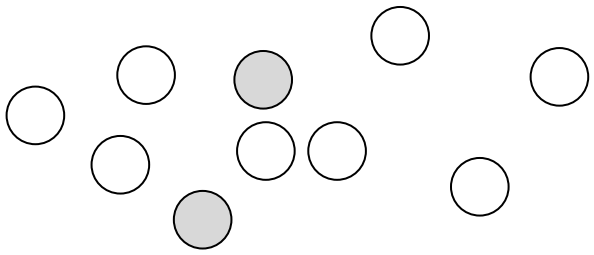
1.3.21

L.O. To solve problems with fractions

1. Circle the fractions that are less than $^1/_2$

$\frac{5}{8}$ $\frac{4}{10}$ $\frac{2}{8}$ $\frac{7}{10}$ $\frac{5}{12}$

2. Here is a group of counters.



Circle the fraction of the counters that is shaded.

$\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{10}$ $\frac{1}{20}$

3. 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?*

Draw a box with the cubes to help you solve the problem.

4. 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?

Draw the pizza to help you solve it.

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? Use the bar diagram to help you solve the problem.

6. There were 60 sweets in the packet.

   $^{1}/_{3}$ is lemon

   $^{1}/_{4}$ is strawberry

   $^{1}/_{5}$ is cherry

   The remaining sweets are orange.

   How many of the sweets are orange?

7. 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?

8. 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?