

Wednesday 6th May

L.K: To recognise and write improper fractions

Improper fractions are fractions that have a bigger numerator than a denominator. They are improper, as this means that the answer to the equation would be bigger than the original whole number.

We will be changing between mixed numbers and improper fractions. To do this, you need to figure out how many times the denominator goes into the numerator. If I have the fraction $\frac{6}{4}$, I know that 4 goes into 6 once. I also know that I will have 2 left over. Therefore, $\frac{6}{4}$ becomes $1\frac{2}{4}$. The denominator STAYS THE SAME.

Using this method, have a go at the questions below:

1) $\frac{7}{4}$

2) $\frac{9}{4}$

3) $\frac{14}{3}$

4) $\frac{38}{4}$

5) $\frac{61}{6}$

6) $\frac{7}{1}$

7) $\frac{45}{8}$

8) $\frac{69}{3}$

9) $\frac{81}{7}$

If you want to get feedback/show off your work, send it to WDV.Year4@oasiswoodview.org

Reasoning and Problem Solving

One Star

- 1) Convert the mixed numbers into improper fractions:

$$1 \frac{3}{4} \quad 2 \frac{4}{5} \quad 3 \frac{2}{3} \quad 2 \frac{1}{3} \quad 3 \frac{1}{2}$$

Draw/use fraction bars to represent and explain why they are equivalent.

- 2) Using multiplication you should convert the following into an improper fraction

$$3 \frac{4}{5}$$

Two Star

- 1) Using multiplication you should convert the following into an improper fraction

$$3 \frac{4}{5}$$

- 2) Can you show the following fractions as improper fractions using diagrams?

a) $1 \frac{2}{3}$

b) $2 \frac{1}{4}$

c) $3 \frac{4}{5}$

Three Star

- 1) Convert the mixed numbers into improper fractions:

$$1 \frac{3}{4} \quad 2 \frac{4}{5} \quad 3 \frac{2}{3} \quad 2 \frac{1}{3} \quad 3 \frac{1}{2}$$

Draw/use fraction bars to represent and explain why they are equivalent.

- 2) I have a box of chocolates and it contains 32 equally sized chocolates. I eat 14 of these chocolates at once. My friend has the same box of chocolates, but eats 15 of them.

- a) What total fraction of chocolates do we have between the two boxes?
b) Why does it matter that the chocolates are “equally-sized”?
c) If I were to eat 7 more chocolates, would we have less than a box left in total?