Friday 8th May

L.K: Changing between mixed numbers and improper fractions

Today we are going to practice what we have learnt this week and convert between mixed numbers and improper fractions.

The methods should be very familiar to you now, so have a go at the starter questions below:

1.ʊ $1\frac{1}{3}$ as an improper fraction	2.ʊ $1\frac{1}{4}$ as an improper fraction	3.ʊ $\frac{12}{5}$ as a mixed number	4.ʊ $\frac{5}{3}$ as a mixed number
5.ʊ $\frac{3}{2}$ as a mixed number	6.ʊ $7\frac{1}{2}$ as an improper fraction	7.ʊ $\frac{20}{7}$ as a mixed number	8.ʊ $6\frac{2}{9}$ as an improper fraction
9.ʊ $4\frac{4}{5}$ as an improper fraction	10.ʊ $4\frac{8}{9}$ as an improper fraction	11.ʊ $2\frac{1}{2}$ as an improper fraction	12.ʊ $11\frac{1}{5}$ as an improper fraction
13.ʊ $\frac{17}{4}$ as a mixed number	14.ʊ $16\frac{8}{11}$ as an improper fraction	15.ʊ $10\frac{5}{13}$ as an improper fraction	16.ʊ $3\frac{5}{8}$ as an improper fraction

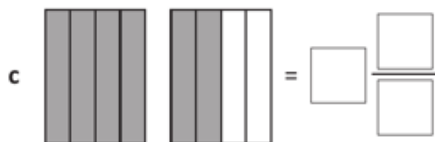The answers will be at the end!
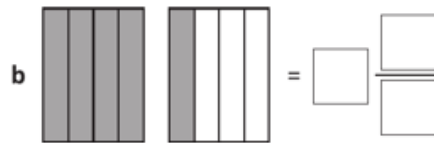
Reasoning and Problem Solving

One Star

1) What might the missing numbers be?

a $1\frac{1}{2} > 1\frac{\square}{4}$

b $3\frac{1}{3} < \frac{\square}{\square}$

c $1\frac{1}{5} < 1\frac{\square}{\square}$
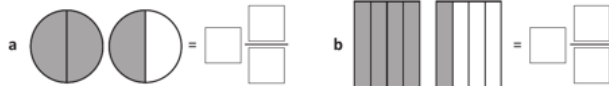
d $2\frac{3}{6} > 2\frac{\square}{\square}$

2) Write the mixed numerals that these fraction models are showing:

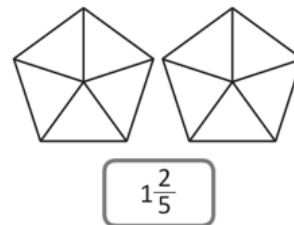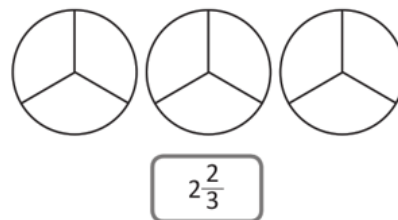a $= \square \frac{\square}{\square}$

b $= \square \frac{\square}{\square}$

c $= \square \frac{\square}{\square}$

d $= \square \frac{\square}{\square}$

Two Star

1) Write the mixed numerals that these fraction models are showing:

a $= \square \frac{\square}{\square}$

b $= \square \frac{\square}{\square}$

c $= \square \frac{\square}{\square}$

d $= \square \frac{\square}{\square}$

3) Shade these in:

$1\frac{2}{5}$

$2\frac{2}{3}$

2) How would you convert 1 and 7/9 into a mixed number? Explain your method below.

Three Star

1)

a What is $2\frac{1}{4}$ expressed as an improper fraction? ☐/☐

b Write $\frac{13}{11}$ as a mixed number. ☐ ☐/☐

c Find an improper fraction that is greater than $1\frac{1}{3}$ but less than $\frac{10}{3}$. ☐/☐

d Your teacher offers you the choice between $\frac{10}{4}$ or $2\frac{1}{4}$ hours of litter duty. Are they doing you any favours?

Three children have converted $3\frac{2}{5}$ into an improper fraction.

Child A
$$3\frac{2}{5} = \frac{32}{5}$$

Child B
$$3\frac{2}{5} = \frac{17}{15}$$

Child C
$$3\frac{2}{5} = \frac{7}{5}$$

2) A man buys 57 bags of bird food. Every day, each of his 3 birds eat 3/8 of the food. What fraction of the food is left after 24 days? Can you show your answer as a mixed number and improper fraction?

3) Who is correct? →

Answers

1.ʊ $\frac{4}{3}$	2.ʊ $\frac{5}{4}$	3.ʊ $2\frac{2}{5}$	4.ʊ $1\frac{2}{3}$
5.ʊ $1\frac{1}{2}$	6.ʊ $\frac{15}{2}$	7.ʊ $2\frac{6}{7}$	8.ʊ $\frac{56}{9}$
9.ʊ $\frac{24}{5}$	10.ʊ $\frac{44}{9}$	11.ʊ $\frac{5}{2}$	12.ʊ $\frac{56}{5}$
13.ʊ $4\frac{1}{4}$	14.ʊ $\frac{184}{11}$	15.ʊ $\frac{135}{13}$	16.ʊ $\frac{29}{8}$