

Good morning



Home Learning
Tuesday 31st March

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L.O. – to convert mixed numbers to improper fractions

Maths

Can you remember the difference between a mixed number and an improper fraction?

A **mixed number** is a whole number and a fraction

e.g. $2\frac{1}{3}$

An **improper fraction** is a fraction where the numerator is larger than the denominator

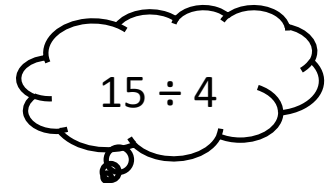
e.g. $\frac{12}{3}$

Remember:

To convert between an improper fraction and a mixed number look at the denominator.

Ask yourself how many make one whole.

For example:



$\frac{15}{4}$ - how many 4s in 15?

$3\frac{3}{4}$

Fun Challenge

Fractions against the clock

Write as many of these improper fractions as mixed numbers as you can in five minutes, e.g. write $\frac{11}{5}$ as $2\frac{1}{5}$.

1 $\frac{12}{5}$

5 $\frac{7}{4}$

9 $\frac{9}{4}$

2 $\frac{13}{6}$

6 $\frac{17}{10}$

10 $\frac{23}{7}$

3 $\frac{13}{8}$

7 $\frac{11}{7}$

11 $\frac{19}{8}$

4 $\frac{14}{3}$

8 $\frac{20}{9}$

12 $\frac{20}{3}$



To write $\frac{19}{8}$ as a mixed number, think how many $\frac{1}{8}$ s are in one whole, in two wholes...

Fantastic Challenge

Mixed Numbers to Improper Fractions

5a. Show each image as a mixed number fraction and an improper fraction.



VF

Mixed Numbers to Improper Fractions

5b. Show each image as a mixed number fraction and an improper fraction.



VF

6a. True or false? Show your working.

$$4\frac{1}{11} = \frac{46}{11}$$



VF

6b. True or false? Show your working.

$$3\frac{5}{8} = \frac{29}{8}$$



VF

7a. Solve the word problem below.

Harry is putting books onto shelves. One shelf can hold 12 books and Harry has 68 books. How many shelves will Harry fill? Write the answer as a mixed number and an improper fraction.



VF

7b. Solve the word problem below.

Sadie is putting stickers on cards. One card can fit 10 stickers and Sadie has 59 stickers. How many cards will Sadie fill? Write the answer as a mixed number and an improper fraction.



VF

8a. Which number sentence is incorrect?

A. = $1\frac{9}{7} = \frac{2}{7}$

B. = $2\frac{2}{6} = \frac{14}{6}$

C. = $1\frac{5}{8} = \frac{13}{8}$



VF

8b. Which number sentence is incorrect?

A. = $1\frac{1}{5} = \frac{6}{5}$

B. = $2\frac{2}{9} = \frac{20}{9}$

C. = $3\frac{1}{2} = \frac{3}{2}$



VF

Fabulous Challenge

Mixed Numbers to Improper Fractions

7a. Use the clues to find the missing digits.

An odd number.

These digits add together to make 9.

$$\begin{array}{r} \boxed{6} \overline{\boxed{}\boxed{}} \\ 12 \end{array} = \frac{\boxed{}\boxed{}}{4}$$

Show your working.



PS

Mixed Numbers to Improper Fractions

7b. Use the clues to find the missing digits.

The numerator is a factor of the denominator.

These digits have a difference of 7.

$$\begin{array}{r} \boxed{7} \overline{\boxed{}\boxed{}} \\ 8 \end{array} = \frac{\boxed{}\boxed{}}{4}$$

Show your working.



PS

8a. Convert each mixed number into an improper fraction in its simplest form. Which is the odd one out?

$$3\frac{8}{10} \quad 5\frac{4}{8} \quad 4\frac{3}{6}$$

Explain your reasoning.



R

8b. Convert each mixed number into an improper fraction in its simplest form. Which is the odd one out?

$$4\frac{9}{12} \quad 4\frac{4}{12} \quad 4\frac{6}{9}$$

Explain your reasoning.



R

9a. Mai says,



$7\frac{8}{12}$ as a simplified improper fraction is $\frac{23}{4}$.

Do you agree with Mai?
Use diagrams to prove it.



R

9b. Kyle says,



$6\frac{4}{10}$ as a simplified improper fraction is $\frac{32}{5}$.

Do you agree with Kyle?
Use diagrams to prove it.



R

Tuesday 31st March

L.O. – to plan my discussion



English

We have already done a lot of work on writing a discussion this term.

Today, I would like you to plan your **hot task** which you will be writing tomorrow.

You may want to explain to someone at home what a **cold** and **hot** task is!

Do you remember the recent discussion we had in class about a new town being built near Great Chesterford?
Each table was given a group to represent. You discussed your main ideas and then we had a mock village meeting to hear the different points of view.

Here are some of the points of view you may want to think about; there may be others.

Commuter

You are a commuter; you work in London and catch the busy 7.30 am train from Great Chesterford station every morning.

Parents

You live in Great Chesterford and you have three young children who are school age.

Village Residents

You have lived in Great Chesterford for over twenty years and have seen lots of changes in the village.

Growing Family

You have two small children and are expecting another baby at Christmas. You can't find a house that is big enough for your family that you can afford.

Local Councillor

You are on the Housing Committee at Uttlesford District Council. Your job is to plan for new houses in the local area for a growing population.

Local Businessman

You are a shop owner and you are looking for somewhere to open a new shop where you can employ local people.

L.O – to plan a discussion

Remember –it doesn't matter what *you* think .
A good piece of discussion writing should be **balanced**.

Before you start – why not have a discussion with someone at home on this subject? Try to see both sides of the argument.

Now draw a table in your book and make *detailed* notes for tomorrow's hot task.

Should a new town be built near Great Chesterford?

Points For



Points Against



Keeping in touch

- If you can, send me a screenshot of your work
 - I will post the answers to Maths challenges the day after they were set so that you can mark what you have done
- If you have any questions about your work, send me an email
 - Let me know what you have been doing to keep active