

07.01.21

L.O: To identify mixed numbers and improper fractions

- 1) Which of the numbers are prime?

2 6 9 13 15 21

- 2) How long does the 06:40 train take to get from St Pancras to Ashford?



St Pancras	06:25	06:40	06:55	07:05	07:22
Stratford	06:32	06:47	07:02	07:12	07:29
Ebbsfleet	06:43	06:59	07:15	07:23	07:40
Ashford	—	07:19	—	07:42	—
Gravesend	06:47	—	07:18	—	07:43

- 3) Ron buys two bottles of water for 89p each.
He pays with a £5 note. How much change does he get?
- 4) How many metres are there 7 km?

1) Which of the numbers are prime?

2 6 9 13 15 21

2) How long does the 06:40 train take to get from St Pancras to Ashford? 39 minutes



St Pancras	06:25	06:40	06:55	07:05	07:22
Stratford	06:32	06:47	07:02	07:12	07:29
Ebbsfleet	06:43	06:59	07:15	07:23	07:40
Ashford	—	07:19	—	07:42	—
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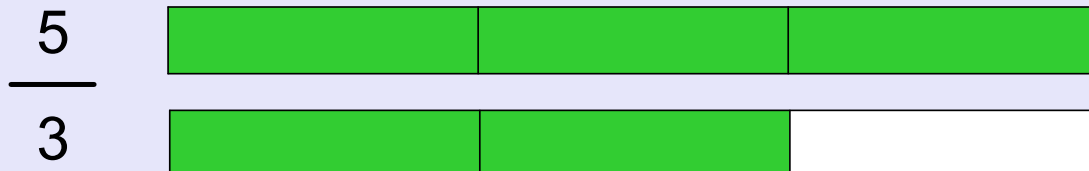
3) Ron buys two bottles of water for 89p each.
He pays with a £5 note. How much change does he get?
£3.22

4) How many metres are there 7 km? 7,000

What is an improper fraction

I do

An improper fraction is a fraction in which the numerator (top number) is greater than or equal to the denominator (bottom number).



What is a mixed number?

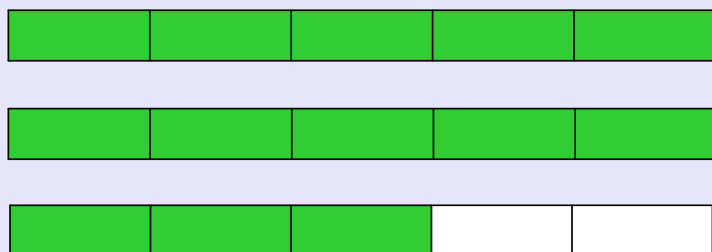
I do

A mixed number is a whole number, and a proper fraction represented together. A mixed number is formed by combining three parts: a whole number, a numerator, and a denominator.

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



Change the improper fraction into a mixed number



$$13 - 5 = 8 \quad - 1 \text{ whole}$$

$$8 - 5 = 3 \quad - 2 \text{ whole}$$

$$\frac{3}{5} \text{ is left}$$

I do

$$\frac{13}{5} =$$



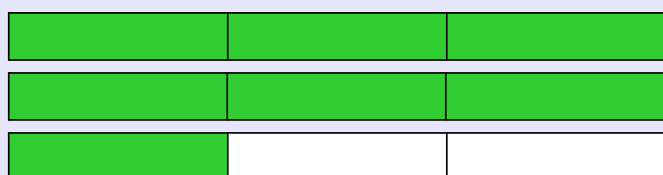
Key Vocabulary

- numerator
- denominator
- equivalent
- mixed number
- improper fraction

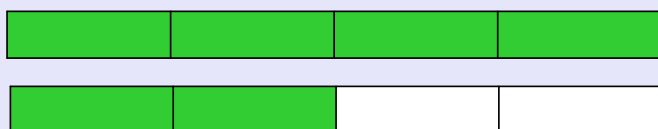


Change the improper fraction into a mixed number

We do



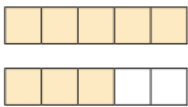
$$\frac{7}{3}$$

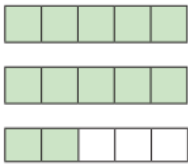


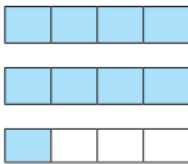
$$\frac{6}{4}$$

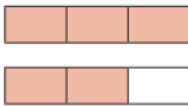
You Do

Convert the improper fractions to mixed numbers.

a)  $\frac{8}{5} = \square$

b)  $\frac{\square}{5} = \square$

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

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

Convert the improper fractions to mixed numbers.

a) $\frac{10}{2}$	c) $\frac{10}{4}$	e) $\frac{12}{5}$	g) $\frac{13}{7}$
b) $\frac{10}{3}$	d) $\frac{10}{5}$	f) $\frac{13}{6}$	h) $\frac{31}{8}$

(a) $\frac{7}{3}$	(b) $\frac{7}{5}$	(c) $\frac{5}{2}$	(d) $\frac{8}{7}$	(e) $\frac{5}{3}$
(f) $\frac{10}{3}$	(g) $\frac{23}{2}$	(h) $\frac{11}{4}$	(i) $\frac{11}{8}$	(j) $\frac{9}{4}$

Eva has 7 bottles of juice.

Each bottle contains half a litre of juice.



How many litres of juice does Eva have altogether?

Write your answer as a mixed number.

You Do

There are 7 bottles of $\frac{1}{2}$ liters each

so our fraction will be $\frac{7}{2}$ or $3\frac{1}{2}$

Dexter is converting improper fractions.



$$\frac{32}{3} = 3\frac{2}{3}$$

Explain why Dexter is incorrect.

Find two possible values for ★ and ▲

$$\frac{30}{\star} = \triangle \frac{2}{\star}$$

Match up the improper fractions and mixed numbers.

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

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

$$1\frac{3}{4}$$

$$3\frac{2}{3}$$

$$\frac{7}{4}$$

$$\frac{11}{3}$$

$$\frac{7}{3}$$

$$\frac{9}{4}$$

Find the value of ●

$$\frac{27}{\bullet} = \bullet \frac{2}{\bullet}$$

e-mail your completed work to
y5@claytonce.bradford.sch.uk
to be marked