



LO - I can convert mixed numbers to improper fractions

Following on from the video lesson, you are going to be working through the following questions converting mixed numbers to improper fractions.

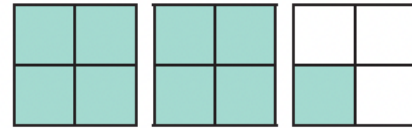
TASK: Complete the following questions either on this sheet or in your maths book:

1) Use the sentence stems to help you convert the mixed numbers to improper fractions.

a) The whole number in this mixed number is _____.

2 wholes are the same as _____ quarters.

There is _____ extra quarter.

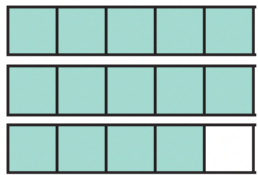


$$\frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$$

The improper fraction is $\frac{\square}{\square}$.

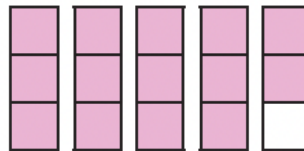
$$2\frac{1}{4} = \frac{\square}{\square}$$

b)



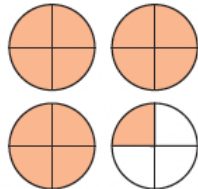
$$2\frac{4}{5} = \frac{\square}{\square}$$

c)



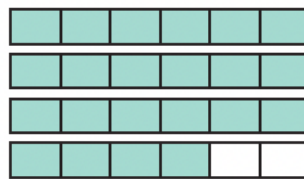
$$4\frac{2}{3} = \frac{\square}{\square}$$

d)



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

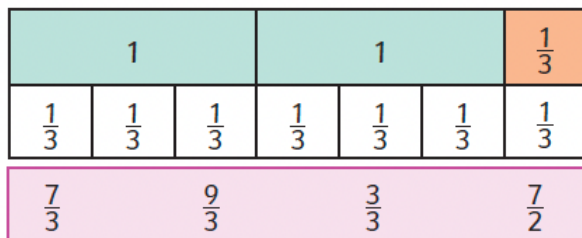
e)



$$3\frac{5}{6} = \frac{\square}{\square}$$

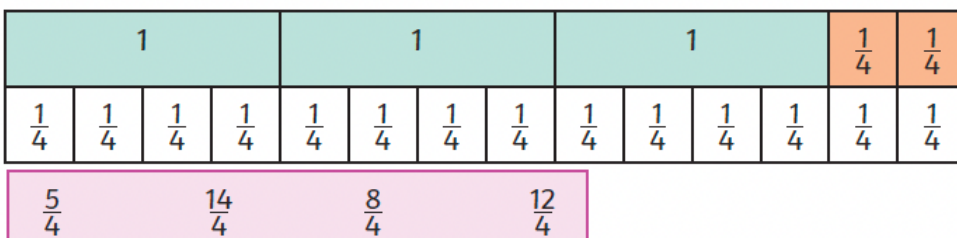
2) Match the correct improper fraction to the bar model, to complete the conversion.

a)



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

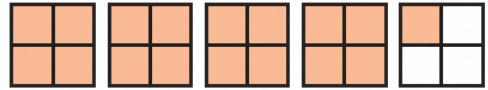
b)



$$3\frac{2}{4} = \frac{\square}{\square}$$

- 1) Use the sentence stems to help you convert the mixed numbers to improper fractions.

The whole number in this mixed number is ____.



4 wholes are the same as ____ quarters.

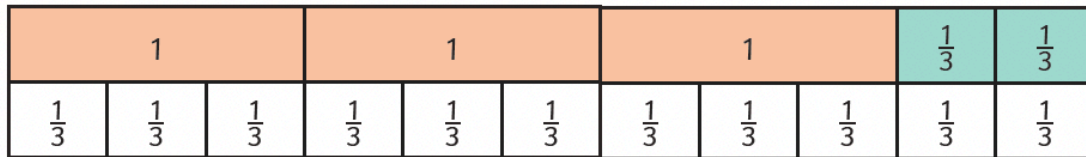
There is ____ extra quarter.

$$\frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$$

The improper fraction is $\frac{\square}{\square}$.

$$4\frac{1}{4} = \frac{\square}{\square}$$

- 2) Match the correct improper fraction to the bar model, to complete the conversion.



$$\frac{12}{3} \quad \frac{11}{3} \quad \frac{9}{3} \quad \frac{7}{2}$$

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

- 3) Convert these mixed numbers to improper fractions using Jin's method.



I can multiply the whole number by the denominator and then add on the extra fractional parts.

$$1. \quad 3 \times 5 = 15$$

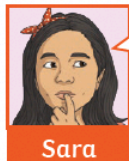
$$2. \quad 15 + 2 = 17$$

3. The improper fraction is 17 fifths.

$$3\frac{2}{5} = \frac{17}{5}$$

a) $2\frac{2}{5} = \frac{\square}{\square}$ b) $3\frac{4}{5} = \frac{\square}{\square}$ c) $4\frac{4}{5} = \frac{\square}{\square}$

- 4) Sara is trying to convert $6\frac{2}{5}$ to an improper fraction. What mistake has she made? Explain what she should do to make it correct.



I can use my times tables to help me convert mixed numbers. $5 \times 2 = 10$ and then add 6 extra.

$$6\frac{2}{5} = \frac{16}{5}$$
