25.02.21

LO: I can convert between mixed and improper fractions.

1. Jack uses bar models to convert a mixed number into an improper fraction.

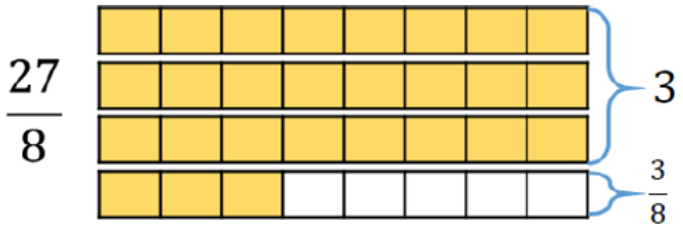
$2\frac{3}{5} = \square$ wholes + $\square$ fifths

2 wholes = $\square$ fifths

$\square$ fifths + $\square$ fifths = $\square$ fifths

Use Jack's method to convert $2\frac{1}{6}$, $4\frac{1}{6}$, $4\frac{1}{3}$ and $8\frac{2}{3}$

2. Tommy converts the improper fraction $\frac{27}{8}$ into a mixed number using bar models.



$3\frac{3}{8}$

Use Tommy's method to convert $\frac{25}{8}$, $\frac{27}{6}$, $\frac{18}{7}$ and $\frac{32}{4}$

3. Convert the improper fractions to mixed numbers.

a) $\frac{10}{2} =$ ☐

b) $\frac{10}{3} =$ ☐

c) $\frac{10}{4} =$ ☐

d) $\frac{10}{5} =$ ☐

e) $\frac{12}{5} =$ ☐

f) $\frac{13}{6} =$ ☐

g) $\frac{13}{7} =$ ☐

h) $\frac{31}{8} =$ ☐

4. ● $\frac{3}{5} =$ △ $\frac{}{5}$

The table shows some possible values of the circle.

Use this to find the corresponding value of the triangle.

●	△
1	
2	
4	
8	
16	
	88
	803

5. Find two possible values for ★ and ▲

$\frac{30}{★} = ▲\frac{2}{★}$

★ = ☐ ▲ = ☐

★ = ☐ ▲ = ☐

6. Fill in the missing numbers.

How many different possibilities can you find for each equation?

$$2\frac{\square}{8} = \frac{\square}{8}$$

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

Compare the number of possibilities you found.

7. Spot the mistake

- $\frac{27}{5} = 5\frac{1}{5}$
- $\frac{27}{3} = 8$
- $\frac{27}{4} = 5\frac{7}{4}$
- $\frac{27}{10} = 20\frac{7}{10}$

What mistakes have been made?

Can you find the correct answers?