

Convert the improper fractions to mixed numbers.

a)  $\frac{10}{2}$

c)  $\frac{10}{4}$

e)  $\frac{12}{5}$

b)  $\frac{10}{3}$

d)  $\frac{10}{5}$

f)  $\frac{13}{6}$

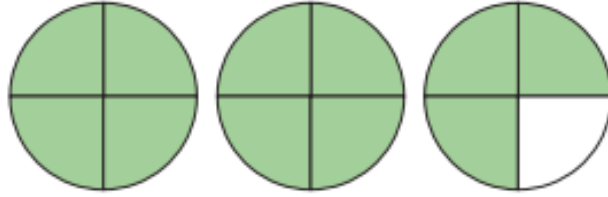
RECALL



Convert the mixed numbers to improper fractions.

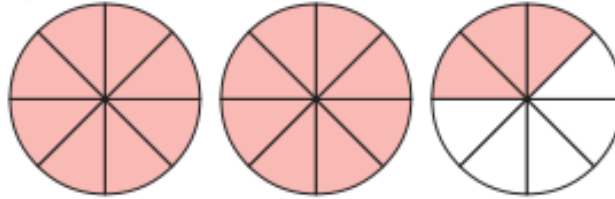


a)



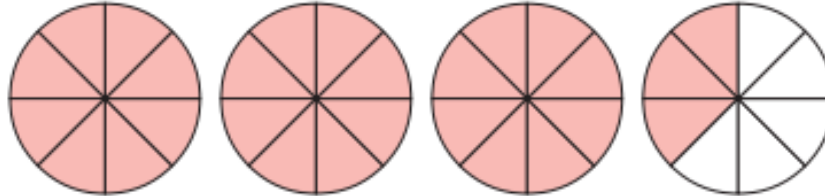
$$2\frac{3}{4} = \frac{\boxed{\phantom{000}}}{4}$$

b)



$$2\frac{3}{8} = \frac{\boxed{\phantom{000}}}{8}$$

c)



$$3\frac{3}{8} = \frac{\boxed{\phantom{000}}}{8}$$

GUIDED  
PRACTICE



LO: converting mixed numbers into improper fractions.

Some will even find rules to find missing numbers.

Some will explain the rules of converting mixed numbers into improper fractions.

Most will convert mixed numbers into improper fractions.

All will draw shapes to represent mixed numbers.

LEARNING HABIT RESILIENCE.





Draw a shape to represent these mixed numbers.

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

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



Convert these mixed numbers into improper fractions

$$1 \frac{1}{5}$$

$$2 \frac{3}{6}$$



Create a guide on how to convert mixed numbers into improper fractions.

INTELLIGENT  
PRACTICE.



Dive deeper 1


Convert the mixed numbers to improper fractions.  
Write the next conversion in each part.

- a)  $2\frac{1}{7}$
- b)  $3\frac{1}{5}$
- c)  $5\frac{1}{2}$
- $2\frac{2}{7}$
- $4\frac{1}{5}$
- $5\frac{1}{4}$
- $2\frac{3}{7}$
- $5\frac{1}{5}$
- $5\frac{1}{8}$

What patterns do you notice?


Dive deeper 2

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




Annie

$3\frac{2}{5} = \frac{6}{15}$



Mo

$3\frac{2}{5} = \frac{15}{5}$



Dexter



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

What mistake has each child made?

Dive deeper 3

$\bigcirc \frac{3}{5} = \triangle \frac{1}{5}$

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



Draw a shape to represent these mixed numbers.

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

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

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



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



Convert these mixed numbers into improper fractions

$$1 \frac{1}{5}$$

$$2 \frac{3}{6}$$

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

$$2 \frac{3}{6} = \frac{15}{6}$$



Create a guide on how to convert mixed numbers into improper fractions.

Teacher will mark this

INTELLIGENT  
PRACTICE.



Dive deeper 1

Convert the mixed numbers to improper fractions.  
Write the next conversion in each part.

- a)  $2\frac{1}{7}$
- b)  $3\frac{1}{5}$
- c)  $5\frac{1}{2}$
- $2\frac{2}{7}$
- $4\frac{1}{5}$
- $5\frac{1}{4}$
- $2\frac{3}{7}$
- $5\frac{1}{5}$
- $5\frac{1}{8}$

What patterns do you notice?

A = 15/7, 16/7, 17/7  
B = 16/5, 21/5, 26/5  
C = 11/5, 21/5, 41/5

Dive deeper 2

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

Annie  $3\frac{2}{5} = \frac{6}{15}$

Mo  $3\frac{2}{5} = \frac{15}{5}$

Dexter  $3\frac{2}{5} = \frac{32}{5}$

Annie has multiplied the numerator and denominator by 3

Mo has multiplied the correctly but then forgotten to add on the extra 2 parts.



Dexter has just placed 3 in front of the numerator.

What mistake has each child made?

Dive deeper 3

$\bigcirc \frac{3}{5} = \bigtriangleup \frac{\phantom{00}}{5}$

The table shows some possible values of the circle.  
Use this to find the corresponding value of the triangle.

	
1	8
2	13
4	23
8	43
16	83
17	88
751	803

DIVE DEEPER ANSWERS

