

Converting Improper Fractions to Mixed Fractions



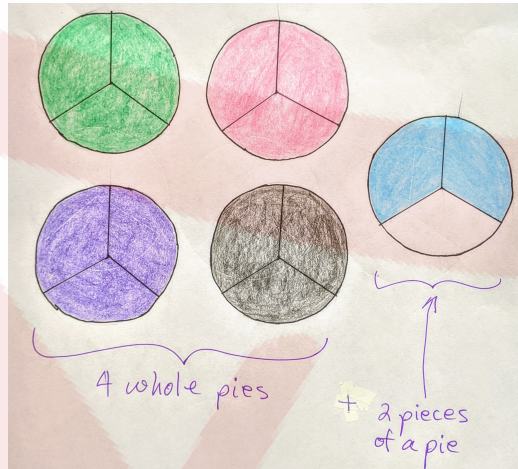
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Let's take a look at an example.

$$\frac{14}{3} = \frac{\text{total \# of pieces of pie}}{\text{\# of pieces in each pie}}$$

- How many whole pies with 3 pieces in each pie does 14 pieces of pie make?



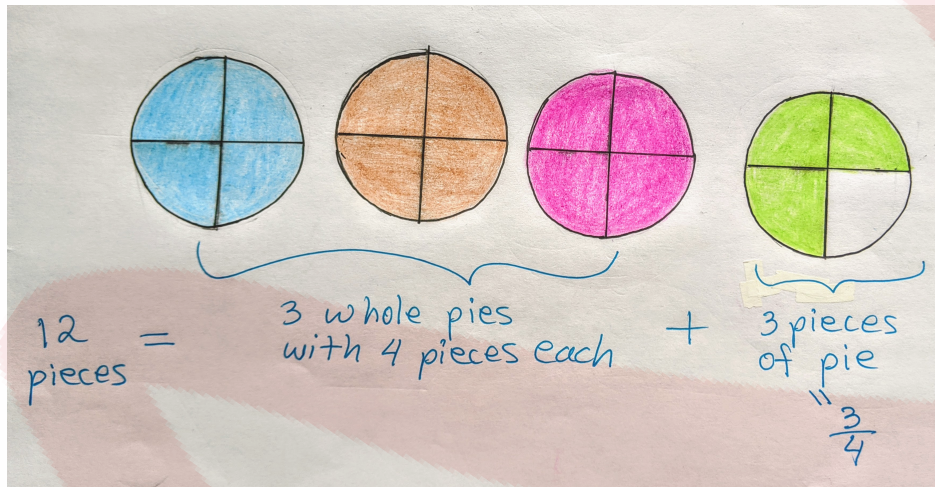
2.

3.

$$\frac{14}{3} = 4\frac{2}{3}$$

Let's consider another example.

$$\frac{15}{4}$$



$$\frac{15}{4} = 3\frac{3}{4}$$

Another way of considering an improper fraction is division with a remainder.

$$\frac{15}{4} \text{ same as } 15 \div 4 \text{ or}$$

Convert the following improper fractions into mixed fractions.

a) $\frac{15}{2}$

b) $\frac{7}{3}$

c) $2\frac{10}{4}$

d) $\frac{20}{7}$

e) $3\frac{8}{3}$

f) $\frac{9}{4}$

g) $\frac{15}{6}$

h) $\frac{17}{4}$

i) $\frac{23}{5}$

j) $4\frac{37}{6}$

k) $9\frac{42}{8}$

l) $\frac{20}{5}$

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

n) $6\frac{16}{7}$

o) $\frac{27}{4}$

p) $7\frac{32}{6}$

q) $\frac{35}{8}$

r) $10\frac{44}{10}$

s) $\frac{9}{5}$

t) $\frac{8}{5}$