



Warm up Grade 6

Date: Dec. 17

Chapter 5

Lesson 2 Day 2

Write each of the following as a mixed and then as a improper fraction.

a) $3 \frac{5}{9} = \frac{41}{9}$ You need to copy this down today

b) Draw $\frac{11}{10}$
 ← Shade $\frac{11}{10}$
 ← whole cut in to $\frac{1}{10}$

2) Convert each of the following to the opposite form

Mixed \rightarrow Improper
 a) $5 \frac{7}{9} = \frac{52}{9}$

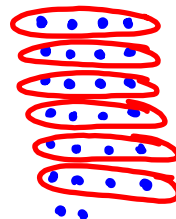
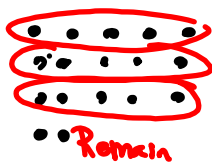
Improper \rightarrow Mixed
 b) $\frac{39}{4} = 9 \frac{3}{4}$
 Rule is divide then find remainder
 $39 \div 4 = 9 \text{ R}3$
 Remember $9 \times 4 = 36$

c) $\frac{41}{10} = 4 \frac{1}{10}$
 Divide $41 \div 10 = 4 \text{ R}1$
 Because $4 \times 10 = 40$
 ← numerator

d) $\frac{13}{2} = 6 \frac{1}{2}$
 $13 \div 2 = 6 \text{ R}1$
 $6 \times 2 = 12$

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

f) $\frac{26}{4} = 6 \frac{2}{4}$
 $26 \div 4 = 6 \text{ R}2$

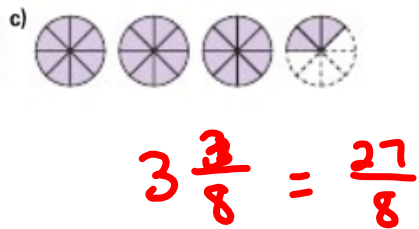
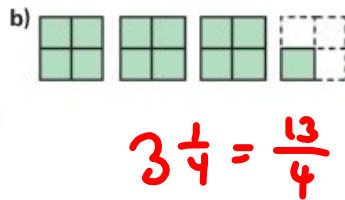
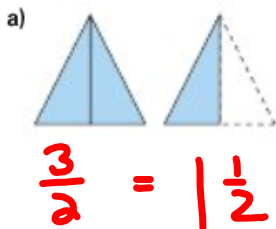


g) $\frac{69}{11} = 6 \frac{3}{11}$

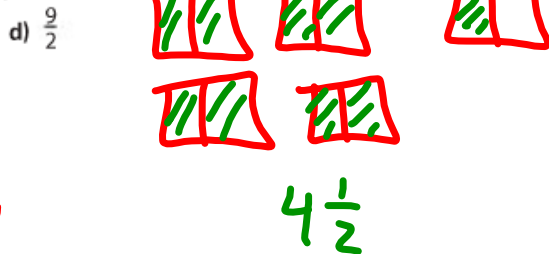
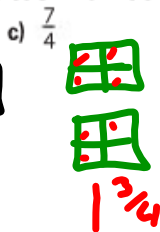
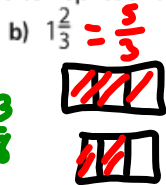
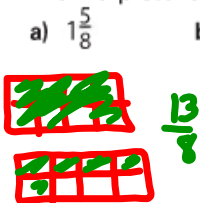
Practice

Use Cuisenaire rods or coloured strips when they help.

1. Write an improper fraction and a mixed number to describe each picture.



2. Draw a picture to represent each number.



3. Write each mixed number as an improper fraction.

a) $1\frac{1}{6}$
 $\frac{7}{6}$

b) $4\frac{3}{8}$
 $\frac{35}{8}$

c) $1\frac{3}{4}$
 $\frac{7}{4}$

d) $3\frac{3}{5}$
 $\frac{18}{5}$

e) $8\frac{1}{2}$
 $\frac{17}{2}$

f) $7\frac{1}{4}$
 $\frac{29}{4}$

Sheet

Converting Improper Fractions to Mixed Numbers

- 1) $\frac{7}{3} = \underline{2\frac{1}{3}}$ 2) $\frac{36}{7} = \underline{5\frac{1}{7}}$ 3) $\frac{44}{10} = \underline{4\frac{4}{10}}$
- 4) $\frac{59}{8} = \underline{7\frac{3}{8}}$ 5) $\frac{13}{2} = \underline{6\frac{1}{2}}$ 6) $\frac{27}{6} = \underline{4\frac{3}{6}}$
- 7) $\frac{56}{9} = \underline{4}$ 8) $\frac{58}{9} = \underline{6\frac{4}{9}}$ 9) $\frac{11}{4} = \underline{2\frac{3}{4}}$
- 10) $\frac{44}{6} = \underline{7\frac{2}{6}}$ 11) $\frac{11}{2} = \underline{5\frac{1}{2}}$ 12) $\frac{18}{7} = \underline{4\frac{4}{7}}$
- 13) $\frac{17}{4} = \underline{4\frac{1}{4}}$ 14) $\frac{26}{5} = \underline{5\frac{1}{5}}$ 15) $\frac{20}{7} = \underline{2\frac{6}{7}}$

Converting Mixed Numbers to Improper Fractions

- 1) $4\frac{1}{2} = \underline{\frac{9}{2}}$ 2) $4\frac{7}{8} = \underline{\frac{39}{8}}$ 3) $9\frac{1}{2} = \underline{\frac{19}{2}}$
- 4) $7\frac{4}{5} = \underline{\frac{39}{5}}$ 5) $9\frac{2}{9} = \underline{\frac{83}{9}}$ 6) $2\frac{4}{5} = \underline{\frac{14}{5}}$
- 7) $4\frac{1}{8} = \underline{\frac{33}{8}}$ 8) $9\frac{4}{5} = \underline{\frac{49}{5}}$ 9) $9\frac{2}{3} = \underline{\frac{29}{3}}$
- 10) $2\frac{3}{4} = \underline{\frac{11}{4}}$ 11) $6\frac{2}{3} = \underline{\frac{20}{3}}$ 12) $9\frac{1}{3} = \underline{\frac{28}{3}}$
- 13) $9\frac{4}{5} = \underline{\frac{49}{5}}$ 14) $7\frac{7}{10} = \underline{\frac{77}{10}}$ 15) $3\frac{1}{4} = \underline{\frac{13}{4}}$

You try

Convert the improper fractions to mixed

$$\text{a) } \frac{75}{7} = 10\frac{5}{7}$$

$$\text{b) } \frac{90}{9} = 10$$

$$7 \quad 75 \div 7 = 10$$

14

$$7 \times 10 = 70$$

21

25

28

35

42

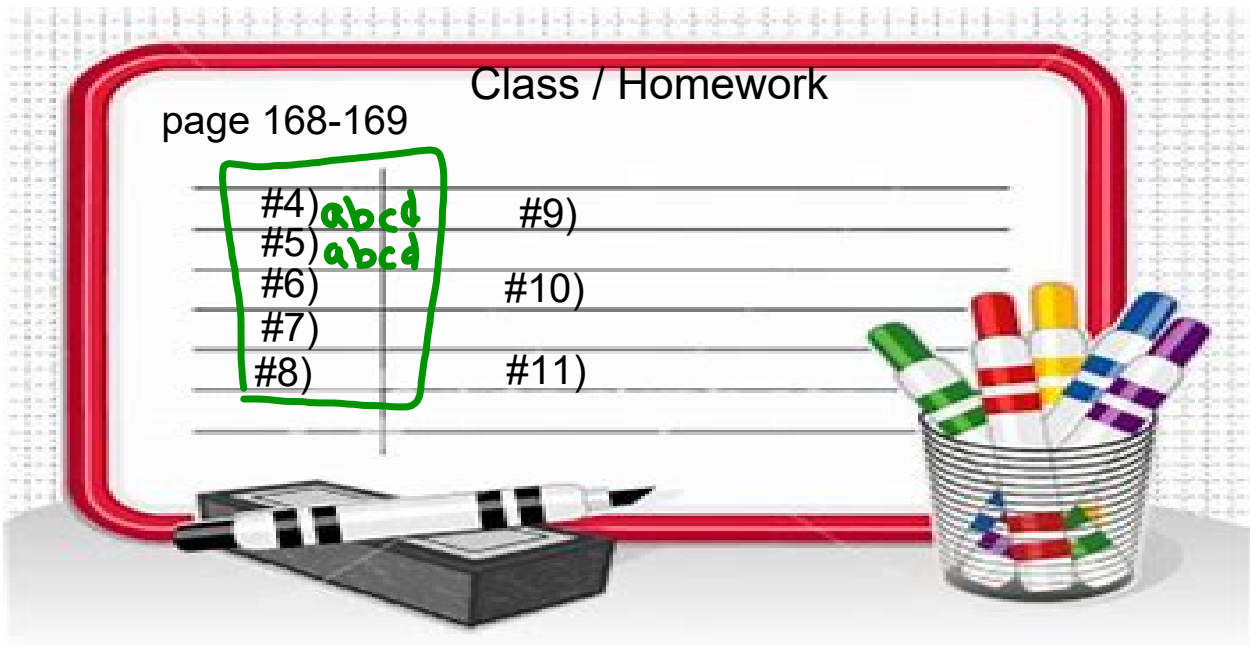
49

56

63

70 ←

77



6) 5 cakes each cut into 12 pieces
 Sold $\boxed{41}$ pieces.

a) How much did she sell?

Sold

$$\frac{41}{12} = 3 \frac{5}{12}$$

Improper

She sold
 3 whole
 cakes.

b) How many cakes are left?

5 cakes cut into 12 pieces

$$5 \times 12 = 60 \text{ pieces}$$

Improper \rightarrow Mixed

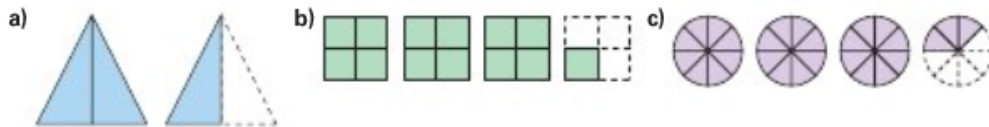
$$\frac{19}{12} = 1 \frac{7}{12}$$

Sold $\frac{-41}{12}$ pieces left

Practice

Use Cuisenaire rods or coloured strips when they help.

1. Write an improper fraction and a mixed number to describe each picture.



2. Draw a picture to represent each number.

- a) $1\frac{5}{8}$ b) $1\frac{2}{3}$ c) $\frac{7}{4}$ d) $\frac{9}{2}$

3. Write each mixed number as an improper fraction.

- a) $1\frac{1}{6}$ b) $4\frac{3}{8}$ c) $1\frac{3}{4}$ d) $3\frac{3}{5}$ e) $8\frac{1}{2}$ f) $7\frac{1}{4}$

4. Write each improper fraction as a mixed number.

- a) $\frac{17}{5}$ b) $\frac{9}{4}$ c) $\frac{18}{4}$ d) $\frac{14}{3}$ e) $\frac{20}{3}$ f) $\frac{20}{6}$

4. Write each improper fraction as a mixed number.
- a) $\frac{17}{5}$ b) $\frac{9}{4}$ c) $\frac{18}{4}$ d) $\frac{14}{3}$ e) $\frac{20}{3}$ f) $\frac{20}{6}$
5. Which of these improper fractions are between 4 and 5? How do you know?
- a) $\frac{13}{3}$ b) $\frac{13}{4}$ c) $\frac{13}{5}$ d) $\frac{13}{6}$



6. Mary baked 5 round bannock for a bake sale at the Chief Kahkewistahaw Community School in Saskatchewan. She cut each bannock into 12 equal pieces. Mary sold 41 pieces of bannock.
- a) How many bannock did Mary sell?
Give your answer 2 ways.
- b) How many bannock are left?
Give your answer 2 ways.



7. Suppose you have 14 quarters.
Do you have \$4? Explain.

8) The pizza at Kwame's party is cut into eights. Kwame eats 3 slices and the rest of her family eat 18 slices. There are 3 slices left over.
How many pizzas had been ordered?

9. Maybelline has $3\frac{5}{6}$ loaves of bread in her diner in Regina.
The whole loaves are cut into 6 equal slices.
To how many customers can Maybelline serve a slice of bread?
Draw a diagram to show your solution.

10. Hair scrunchies come in packages of 5.
Suppose you have $2\frac{1}{5}$ of these packages to share among 4 friends.
- a) Do you have enough scrunchies to give each friend three scrunchies? How do you know?
- b) Do you have enough scrunchies to give each friend two? How do you know?



Attachments

Improper and Mixed WS.notebook