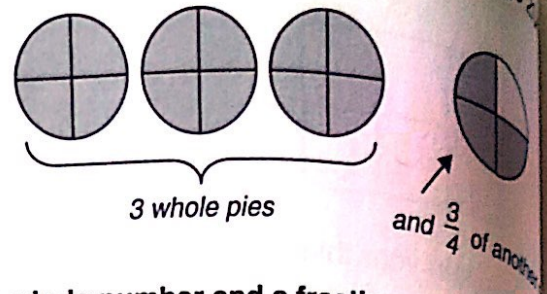


NS5-65: Mixed Fractions

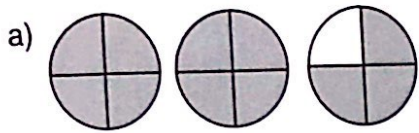
Mattias and his friends ate the amount of pie shown.

They ate three and three quarter pies altogether (or $3\frac{3}{4}$ pies).

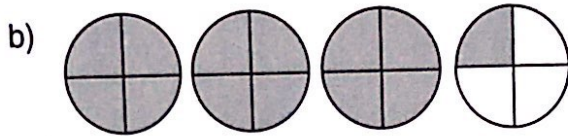


NOTE: $3\frac{3}{4}$ is called a mixed fraction because it is a mixture of a whole number and a fraction.

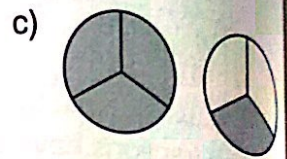
1. Write how many whole pies are shaded.



2 whole pies

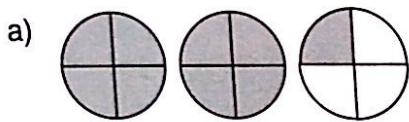


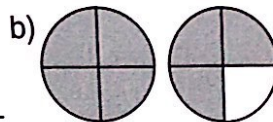
_____ whole pies

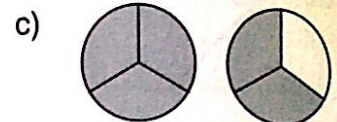


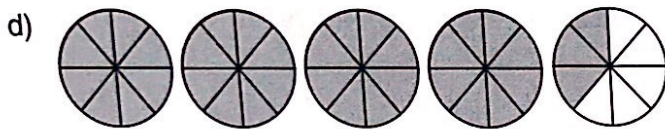
_____ whole pie

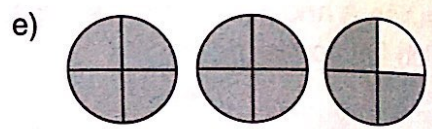
2. Write the fractions as mixed fractions.

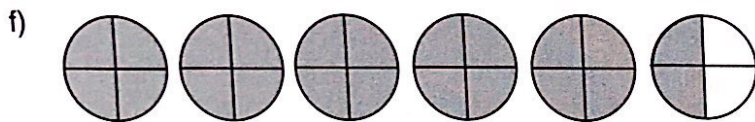








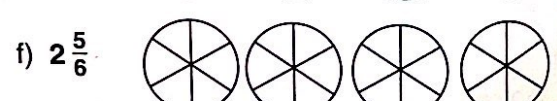
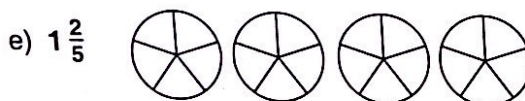
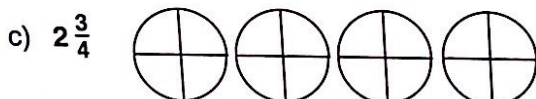
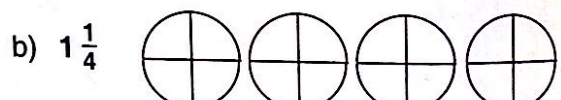
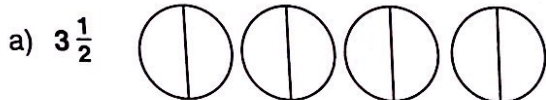






3. Shade the amount of pie given in bold.

NOTE: There may be more pies than you need.



4. Sketch. a) $2\frac{1}{3}$ pies b) $3\frac{3}{4}$ pies

c) $2\frac{3}{5}$ pies d) $3\frac{1}{2}$ pies



Improper Fraction: $\frac{9}{4}$ = Mixed Fraction: $2\frac{1}{4}$

Huan-Yue and her friends ate 9 quarter-sized pieces of pizza. Altogether they ate $\frac{9}{4}$ pizzas.

NOTE: When the numerator of a fraction is larger than the denominator, the fraction represents *more than a whole*. Such fractions are called improper fractions.

1. Write these fractions as improper fractions.

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

g) _____

h) _____

2. Shade one piece at a time until you have shaded the amount of pie given.

a) $\frac{7}{2}$ b) $\frac{7}{4}$

c) $\frac{11}{3}$ d) $\frac{12}{4}$

e) $\frac{17}{5}$ f) $\frac{19}{8}$

3. Sketch. a) $\frac{6}{4}$ pies b) $\frac{7}{2}$ pies c) $\frac{11}{4}$ pies d) $\frac{13}{3}$ pies

4. Which fractions are more than a whole? How do you know? a) $\frac{9}{10}$ b) $\frac{15}{7}$ c) $\frac{12}{8}$