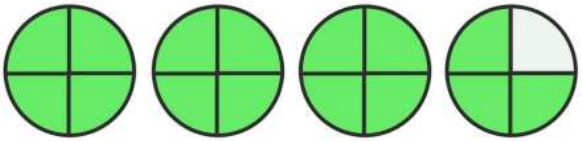
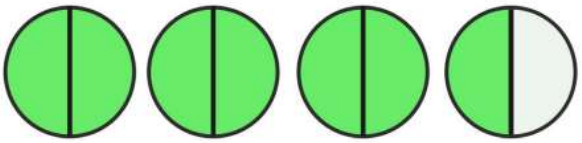
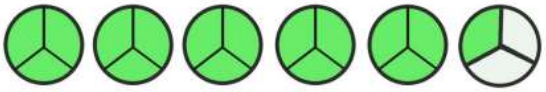
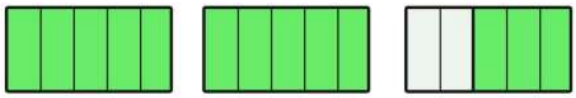
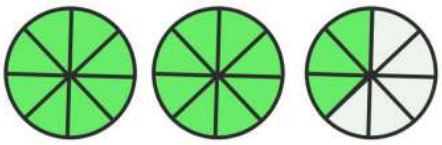
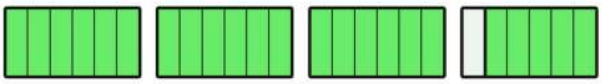
"55 Club" Gold – Mixed Numbers and Improper Fractions - Answers

	Improper Fraction		Mixed Number
a.	$\frac{15}{4}$		$3\frac{3}{4}$
b.	$\frac{7}{2}$		$3\frac{1}{2}$
c.	$\frac{16}{3}$		$5\frac{1}{3}$
d.	$\frac{13}{5}$		$2\frac{3}{5}$
e.	$\frac{19}{8}$		$2\frac{3}{8}$
f.	$\frac{23}{6}$		$3\frac{5}{6}$

Convert from improper fractions to mixed numbers:

a. $\frac{22}{3} = 7\frac{1}{3}$

b. $\frac{5}{2} = 2\frac{1}{2}$

c. $\frac{21}{6} = 3\frac{1}{2}$ or $3\frac{3}{6}$

d. $\frac{34}{10} = 3\frac{4}{10}$ or $3\frac{2}{5}$

e. $\frac{31}{4} = 7\frac{3}{4}$

f. $\frac{14}{5} = 2\frac{4}{5}$

g. $\frac{16}{3} = 5\frac{1}{3}$

h. $\frac{17}{8} = 2\frac{1}{8}$

i. $\frac{22}{9} = 2\frac{4}{9}$

j. $\frac{27}{12} = 2\frac{3}{12}$

k. $\frac{23}{10} = 2\frac{3}{10}$

l. $\frac{19}{4} = 4\frac{3}{4}$

m. $\frac{19}{7} = 2\frac{5}{7}$

n. $\frac{21}{5} = 4\frac{1}{5}$

o. $\frac{30}{6} = 5$

Convert from mixed numbers to improper fractions:

1. $7\frac{3}{5} = \frac{38}{5}$
2. $6\frac{5}{8} = \frac{53}{8}$
3. $9\frac{2}{10} = \frac{46}{5}$
4. $2\frac{2}{4} = \frac{5}{2}$
5. $6\frac{1}{9} = \frac{55}{9}$
6. $5\frac{5}{7} = \frac{40}{7}$
7. $3\frac{1}{8} = \frac{25}{8}$
8. $3\frac{3}{12} = \frac{13}{4}$
9. $6\frac{1}{11} = \frac{67}{11}$
10. $4\frac{3}{4} = \frac{19}{4}$
11. $8\frac{9}{12} = \frac{35}{4}$
12. $9\frac{2}{8} = \frac{37}{4}$
13. $5\frac{8}{11} = \frac{63}{11}$
14. $3\frac{6}{9} = \frac{11}{3}$
15. $5\frac{10}{11} = \frac{65}{11}$
16. $6\frac{5}{6} = \frac{41}{6}$
17. $9\frac{1}{2} = \frac{19}{2}$
18. $7\frac{9}{10} = \frac{79}{10}$
19. $5\frac{1}{5} = \frac{26}{5}$
20. $8\frac{5}{10} = \frac{17}{2}$
21. $8\frac{2}{4} = \frac{17}{2}$

Solve these problems involving mixed numbers and improper fractions:

a. 27 children sit at tables of 6, filling all the tables where possible. Express how the tables are filled using a mixed number. $4\frac{3}{6}$ or $4\frac{1}{2}$

b. A teacher asks 2 children to sort 73 tennis balls into baskets of 10 balls, filling the baskets where possible. Express how the baskets are filled using a mixed number. $7\frac{3}{10}$

c. A pizza van sells pizza slices. Each slice is one quarter of a pizza. At the end of the day the pizza seller works out how many pizzas he has left. On one day he has 9 pieces. How many pizzas does he have left? $2\frac{1}{4}$

d. Write some of your own questions for which the answer is a mixed number.