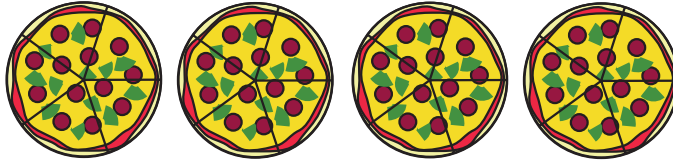


Improper fractions and mixed numbers

Sheet 1

Write each improper fraction as a mixed number. Use the pictures to help you.



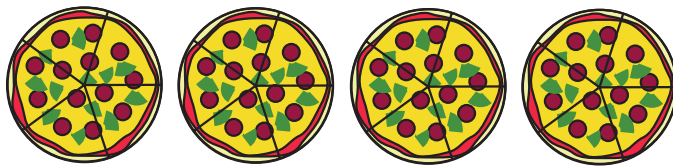
$$\frac{6}{5}$$

$$\frac{9}{5}$$

$$\frac{14}{5}$$

$$\frac{18}{5}$$

Write each mixed number as an improper fraction. Use the pictures to help you.



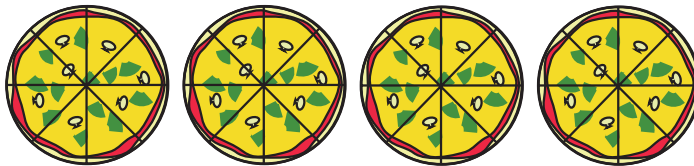
$$1 \frac{3}{5}$$

$$2 \frac{1}{5}$$

$$2 \frac{4}{5}$$

$$3 \frac{4}{5}$$

Write each improper fraction as a mixed number. Use the pictures to help you.



$$\frac{11}{8}$$

$$\frac{31}{8}$$

$$\frac{25}{8}$$

$$\frac{23}{8}$$

Write each mixed number as an improper fraction. Use the pictures to help you.



$$1 \frac{5}{8}$$

$$3 \frac{3}{8}$$

$$2 \frac{1}{8}$$

$$1 \frac{7}{8}$$

Challenge

Write these mixed numbers as improper fractions: $1\frac{1}{2}$, $1\frac{1}{3}$, $1\frac{1}{4}$, $1\frac{1}{5}$, $1\frac{1}{6}$, $1\frac{1}{7}$. What do you notice about the relationship between the numerator and the denominator? Predict what the relationship will be if you write $2\frac{1}{2}$, $2\frac{1}{3}$, $2\frac{1}{4}$, $2\frac{1}{5}$ etc. as improper fractions.

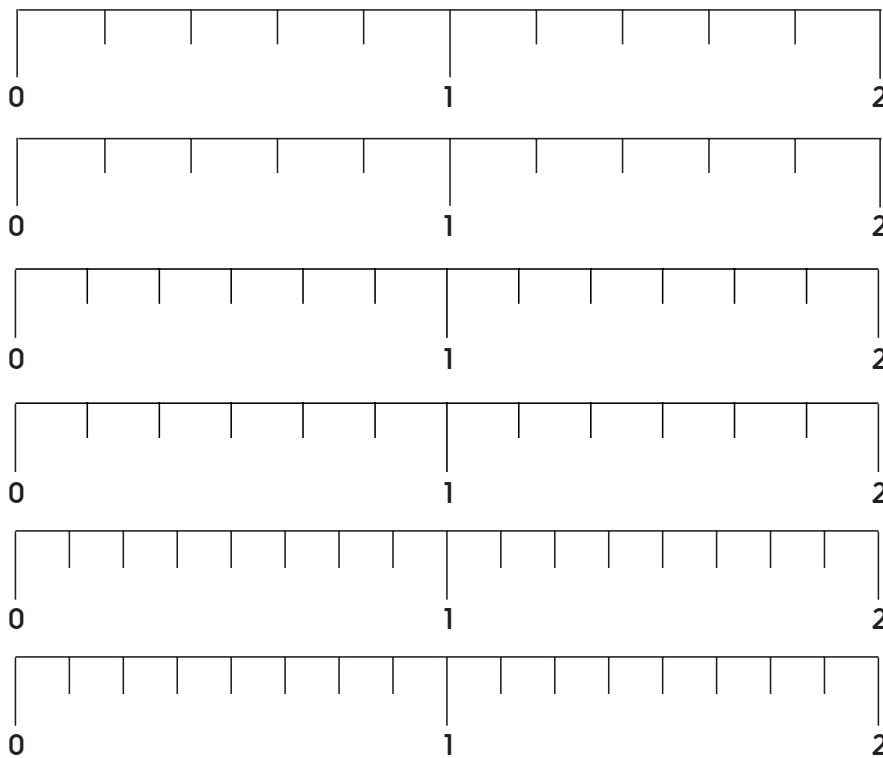
Test your prediction. How about $3\frac{1}{2}$, $3\frac{1}{3}$, $3\frac{1}{4}$, $3\frac{1}{5}$ etc.?

Greedy Guzzlers

Sheet 1

The greedy pigs have eaten more than their fair share of pig-cake!
Write each fraction below as a mixed number to help you find out how greedy they are. Use the lines below to help you.

Example: Porker Pig ate $\frac{7}{5}$. So he ate $1\frac{2}{5}$. He ate $\frac{2}{5}$ more than he should have!



These pigs should eat 1 cake. How much extra did they eat?

Pig 1 ate $\frac{13}{8}$

Pig 2 ate $\frac{8}{5}$

Pig 3 ate $\frac{11}{6}$

Pig 4 ate $\frac{9}{8}$

Pig 5 ate $\frac{7}{4}$

These pigs should eat 2 cakes. How much extra did they eat?

Pig 1 ate $\frac{18}{8}$

Pig 2 ate $\frac{13}{5}$

Pig 3 ate $\frac{17}{6}$

Pig 4 ate $\frac{23}{8}$

Pig 5 ate $\frac{16}{7}$



Draw your own number line marked in $\frac{1}{8}$ s from 0 to 3. Mark these numbers on it.

$\frac{7}{8}$ $\frac{3}{8}$ $\frac{7}{8}$ $2\frac{1}{8}$ $2\frac{5}{8}$

Write each number as an improper fraction.

Challenge

Write each of these numbers as an improper fraction $5\frac{1}{2}$ $3\frac{2}{3}$ $2\frac{3}{4}$ $2\frac{1}{5}$ $1\frac{5}{6}$ $1\frac{4}{7}$

What do you notice? Continue the sequence. Write your own similar sequence which has 13 as the numerator throughout.

Finding fractions of amounts

Sheet 1

1. $\frac{1}{3}$ of 42

2. $\frac{2}{3}$ of 42

42		

3. $\frac{1}{4}$ of 88

2. $\frac{3}{4}$ of 88

88			

5. $\frac{1}{5}$ of 125

6. $\frac{3}{5}$ of 125

7. $\frac{1}{6}$ of 96

8. $\frac{5}{6}$ of 96

9. $\frac{2}{5}$ of 125

10. $\frac{2}{3}$ of 72

11. $\frac{2}{7}$ of 126

12. $\frac{3}{8}$ of 128

13. $\frac{2}{9}$ of 126

14. $\frac{4}{5}$ of 135

15. $\frac{5}{6}$ of 126

16. $\frac{3}{4}$ of 124