

Name _____

Date _____

Bits and pieces

1. Change these improper fractions to mixed numbers – that is, whole numbers and fractions. Draw them first if it helps you to visualise them.

$$\frac{3}{2} \quad 3 \div 2 = 1 \text{ r } 1$$

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

$$\frac{5}{3} \quad 5 \div 3 = 1 \text{ r } 2$$

$$1 \frac{2}{3}$$

$$\frac{6}{4} \quad 6 \div 4 = 1 \text{ r } 2$$

$$1 \frac{2}{4}$$

can be simplified to $1 \frac{1}{2}$

$$\frac{17}{5} \quad 17 \div 5 = 3 \text{ r } 2$$

$$3 \frac{2}{5}$$

$$\frac{28}{7} \quad 28 \div 7 = 4$$

$$4$$

$$\frac{16}{5} \quad 16 \div 5 = 3 \text{ r } 1$$

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

$$\frac{23}{9} \quad 23 \div 9 = 2 \text{ r } 5$$

$$2 \frac{5}{9}$$

$$\frac{25}{6} \quad 25 \div 6 = 4 \text{ r } 1$$

$$4 \frac{1}{6}$$

$$\frac{24}{6} \quad 24 \div 6 = 4$$

$$4$$

2. Now change these mixed numbers to improper fractions.

$$7 \frac{1}{2} \quad 7 \times 2 = 14 + 1 = 15$$

$$\frac{15}{2}$$

$$4 \frac{1}{3} \quad 4 \times 3 = 12 + 1 = 13$$

$$\frac{13}{3}$$

$$7 \frac{2}{3} \quad 7 \times 3 = 21 + 2 = 23$$

$$\frac{23}{3}$$

$$9 \frac{2}{5} \quad 9 \times 5 = 45 + 2 = 47$$

$$\frac{47}{5}$$

$$11 \frac{3}{4} \quad 11 \times 4 = 44 + 3 = 47$$

$$\frac{47}{4}$$

$$12 \frac{1}{4} \quad 12 \times 4 = 48 + 1 = 49$$

$$\frac{49}{4}$$

$$5 \frac{2}{7} \quad 7 \times 5 = 35 + 2 = 37$$

$$\frac{37}{7}$$

2 choose your own denominator e.g. $\frac{1}{6}$

$$2 \times 6 = 12 \quad \frac{12}{6}$$

8 choose your own denominator e.g. $\frac{1}{11}$

$$8 \times 11 = 88 \quad \frac{88}{11}$$

3. Write four equivalent improper fractions and mixed numbers of your own.

e.g. $\frac{26}{5} \quad 26 \div 5 = 5 \text{ r } 1$

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

e.g. $9 \frac{3}{4} \quad 9 \times 4 = 36 + 3 = 39$

$$\frac{39}{4}$$

