



N5 - Expressions & Formulae

Worksheet 3

Silver Level



Outcome 1 - Reducing fractions to their simplest form

Express these fractions in their simplest form...

1

$$\frac{(x-8)(x+1)}{(x-8)^2}$$

2

$$\frac{(x-7)(x+4)^2}{(x+4)}$$

3

$$\frac{(x-1)(x+19)}{(x-1)^3}$$

4

$$\frac{(x-9)^9(x-2)}{(x-9)^7}$$

Outcome 3 - Multiplying

Multiply the following fractions...

1

$$\frac{1}{8} \times \frac{24}{c}$$

2

$$\frac{h}{6} \times \frac{2}{5}$$

3

$$\frac{w}{2} \times \frac{10}{3x}$$

4

$$\frac{3a}{10} \times \frac{8b}{9c}$$

Outcome 2 - Adding & Subtracting

Add or subtract the following fractions...

1

$$\frac{1}{a} + \frac{12}{b}$$

2

$$\frac{e}{4} - \frac{9}{f}$$

3

$$\frac{g}{2} + \frac{h}{20}$$

4

$$\frac{2}{m} - \frac{1}{m^2}$$

Outcome 4 - Dividing

Divide the following fractions...

1

$$\frac{q}{21} \div \frac{1}{7}$$

2

$$\frac{1}{4} \div \frac{e}{24}$$

3

$$\frac{l}{4} \div \frac{9m}{2n}$$

4

$$\frac{10w}{3y} \div \frac{2x}{5z}$$