

## Starter

1. Write the following as an improper fraction:

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

b.  $3\frac{4}{7}$

c.  $5\frac{3}{8}$

2. Calculate:

a. 10% of £410

b. 25% of £432

c. 60% of £720

3. Evaluate the following expressions where  $e = 3$ ,  $f = 2$  and  $g = -1$ :

a.  $ef$

b.  $2g + 3e$

c.  $(f - g)^2 + fg$

4. Write the following percentages as fractions in their simplest form:

a. 12%

b. 45%

c. 92%

## Starter

1. Simplify the following expressions:

a.  $5r - 3 + 8r - 12$

b.  $4 - 3u + 2p - 5 + 7p - 9u$

2. Calculate:

a.  $\frac{2}{5}$  of £465

b.  $\frac{7}{9}$  of £387

3. Calculate:

a.  $5^2 - 3 \times 9 + 14$

b.  $2(4 - (-8)) + 13 \times 2$

4. Calculate:

a. 75% of 312m

b. 10% of £320

c. 70% of 910kg

## Starter

1. Calculate:

a. 10% of £460

b. 5% of £440

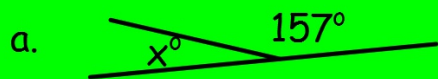
c. 15% of £840

2. Calculate:

a.  $\frac{3}{5}$  of £165

b.  $\frac{5}{8}$  of £1232

3. Calculate angle  $x^\circ$ :



4. Simplify the following expressions:

a.  $3e + 7u - 5 + 3u - 9e - 1$

b.  $10p - 5 \times 9p$

## Starter

1. Round the following to the nearest ten:

a. 642

b. 13,408

c. 376,485

2. Katie raised £413 for charity through a bake sale all week. She decided to give  $\frac{5}{7}$  of the total to Children in Need.

a. How much money will she donate to Children in Need?

b. How much will be left for other charities?

3. Evaluate the following expressions where  $p = -8$ ,  $q = 4$  and  $r = -3$ :

a.  $pr - q$

b.  $rq^2 + p$

c.  $(p + r)^2 - 3r$