1.

The school kitchen needs to buy carrots for lunch.
A large bag has 200 carrots and a medium bag has $\frac{3}{5}$ of a large bag.
Mrs Rose says,

> I need 150 carrots so I will have to buy a large bag.

Is Mrs Rose correct?
Explain your reasoning.

200 carrots

| 40 | 40 | 40 | 40 | 40 |

$200 \div 5 = 40$

Medium bag contains $\frac{3}{5}$ of a large bag.
Therefore a medium bag is 40 x 3 = 120 carrots.

Mrs Rose is correct.

2.

There are 40 fish in another a fish tank. 15 of them are angel fish. $\frac{2}{5}$ are guppies. The rest are zebra fish. Harjot says there are more guppies than any other fish. Is he right? Explain how you know.

| 8 | 8 | 15 | 9 |

G   A.F

Guppies = 40 - 5 = 8 x 2 = 16

A.F = 15

Z.F = 40 - (16+15) = 9

Harjot is correct.

3.

If $\frac{1}{8}$ of A = 12, find the value of A, B and C.

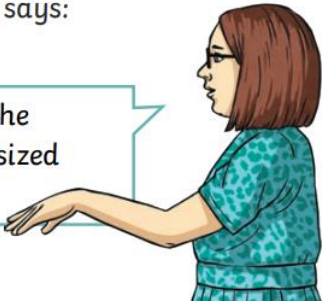$$\frac{5}{8} \text{ of A} = \frac{3}{4} \text{ of B} = \frac{1}{6} \text{ of C}$$

A = 96
B = 80
C = 360

4.

) The pet shop buys food in large and medium bags. Large bags hold 56g and medium bags hold $\frac{5}{8}$ of a large bag.
Patsy, one of the assistants, says:

> Today, I need 40g of food for the small mammals so a medium sized bag will be enough.

Is Patsy right?

2) Patsy is not right.
$\frac{5}{8}$ of 56g = 56 ÷ 8 = 7 × 5 = 35g