To find non-unit fractions of a given quantity Worksheet

Maths

Mr Etherton

Part 1

A) **You might want to draw a bar model to help you calculate the non-unit fractions of amounts.**
You may remember the formula if you want to speed up your working out:
- First, divide the whole by the denominator
- Then, multiple the value of one part by the numerator

1) Find $\dfrac{3}{5}$ of 25 = ⬚

2) Find $\dfrac{2}{7}$ of 14 = ⬚

3) Calculate $\dfrac{6}{8}$ of 32 = ⬚

4) Helen has 60 beanbags. She gives her friend $\dfrac{4}{10}$ of them.
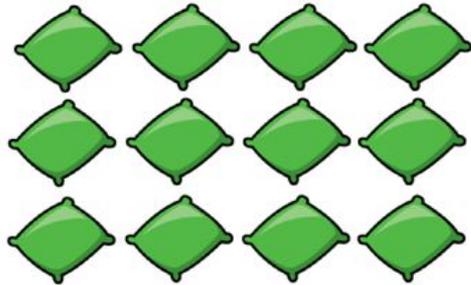
How many beanbags did Helen's friend receive? ⬚

Part 2

A) You need to use a bar model to help you calculate the answers.
Think about the Steps to Success (STS):

STS
1. Draw a bar model.
2. Do you know the value of the whole?
3. How many equal parts are there in total?
4. How many parts do you have in the question?
5. Can you find the value of one part?
6. Share out the value of the fraction between those parts.
7. What is the value of one part?
8. Use this to calculate the whole.

This is $\frac{3}{4}$ of a set of beanbags.

1)

How many were in the whole set?

2) If I know that $\frac{4}{10}$ is 16.

What is the value of the whole?