Mathematics

Proportion problems:
Use fractions to express proportions

Independent Task

Miss Parsons

Question 1
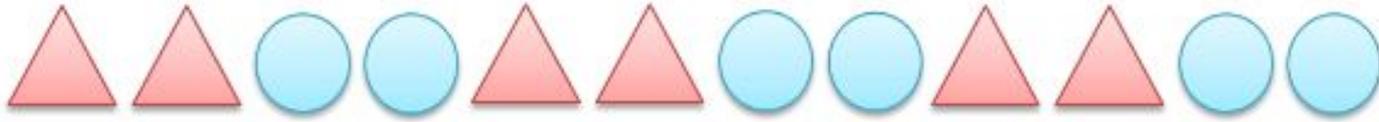
a) Using fractions, what proportion are triangles and what proportion are circles?

b) Can you express the proportions using decimals and percentages?

c) True or false? The proportion that are triangles will always be $\frac{1}{2}$ of whatever the size of the pattern.

d) True or false? In a pattern of 100 shapes, there will be 40 circles.

Question 2
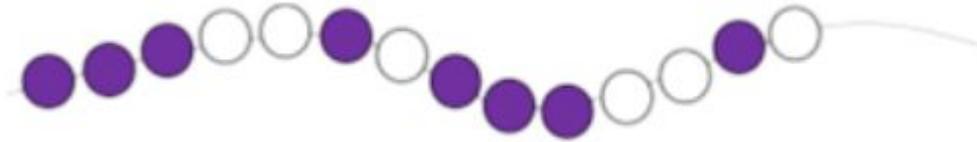
a) Using fractions, what proportion are purple beads and what proportion are white beads?

b) True or false? The proportion that are white beads will always be $\frac{3}{4}$.

Question 3

a)   What proportion of the whole pattern is each different shape?

b)   What if the pattern repeated and contained 30 shapes?