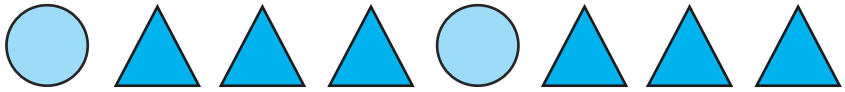
Complete the sentences to describe the relationship between the quantities of each shape.

1)



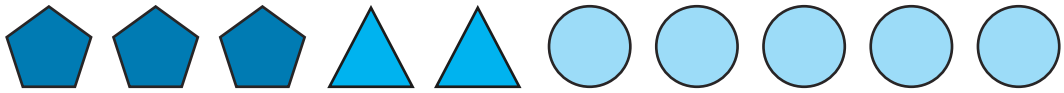
a) For every 1 circle, there are _____ triangles.

b) For every 2 circles, there are _____ triangles.

c) For every 3 circles, there would be _____ triangles.

d) For every 12 triangles, there would be _____ circles.

2)



a) For every 3 pentagons, there are _____ triangles and _____ circles.

b) For every 10 circles, I would have _____ pentagons.

c) For every 6 triangles, I would have _____ pentagons.

d) For every 40 shapes, I would have _____ triangles, _____ pentagons and _____ circles.

3)

a) For every 1 banana, there are _____ apples.

b) For every 3 bananas, there are _____ apples.

c) For every 21 apples, I would have _____ bananas.

b) For every 40 pieces of fruit, I would have _____ bananas and _____ apples.

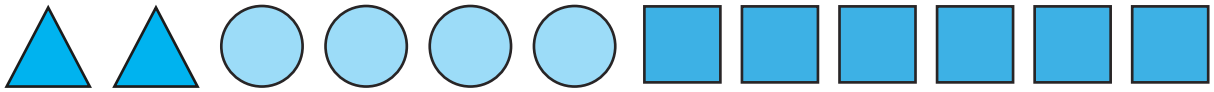
1) In Mrs Hull's year 6 class, there are 4 boys for every 1 girl.
Based on the ratio above, which statements could be true about Mrs Hull's class?
Explain your answers fully.

a) There are 15 boys and 15 girls in Mrs Hull's class.

b) There are 5 girls and 20 boys in Mrs Hull's class.

c) There are 13 boys in Mrs Hull's class.

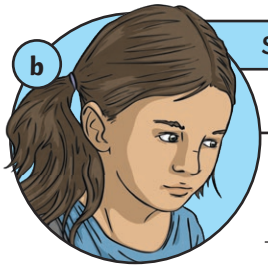
2) Explain if you agree, partially agree or disagree with each of the children's statements about the shapes below. If you disagree, explain why.



a 

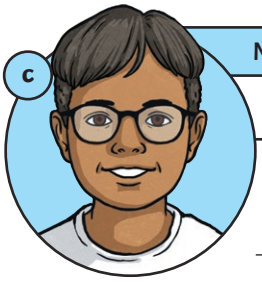
Bisma

There are 6 squares for every 1 triangle.

b 

Sara

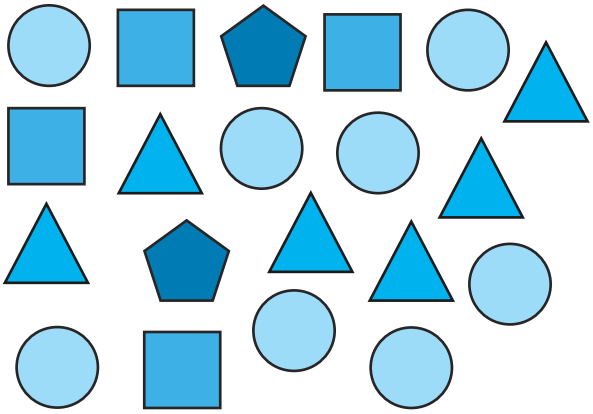
For every 6 circles, there are 9 squares and 4 triangles.

c 

Morgan

For every 24 shapes, there would be 4 triangles, 8 circles and 9 squares.

1) Complete the statements to describe the relationship between the quantities of each shape in this collection of shapes:

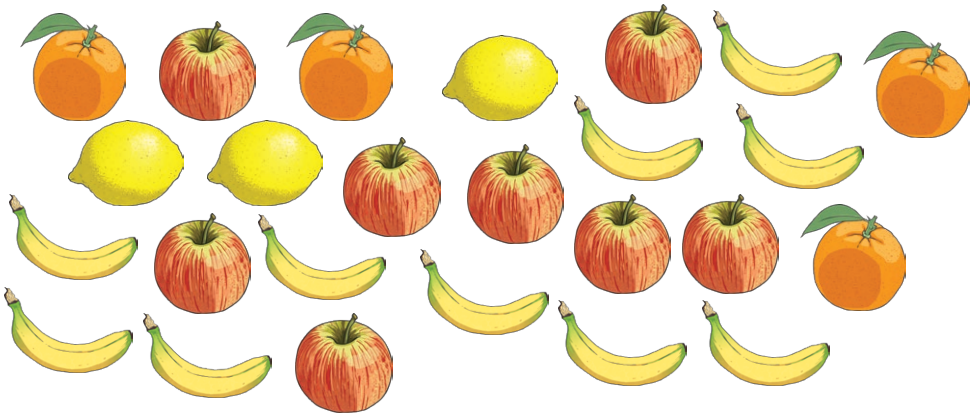


a) For every 1 pentagon there are _____ triangles, _____ squares and _____ circles.

b) For every 5 pentagons there are _____ triangles, _____ squares and _____ circles.

c) For every 70 shapes there are _____ pentagons, _____ triangles, _____ squares and _____ circles.

2) The quantities of each fruit bought by a family every week is shown below.
If the family continue to buy the same amount of fruit each week how many of each fruit will they have bought by the time they have bought 56 apples?



Apples: 56

Lemons: _____

Bananas: _____

Oranges: _____

Total: _____

3) Create your own 'for every...' questions comparing the relationship between the numbers of fruit.

_____

_____

_____