

1 Divide these items among 8 houses:

- (a) 88 bows                      (b) 99 ribbons                      (c) 192 sheets of card  
(d) 871 lights                      (e) 300 boxes                      (f) 970 bits of tinsel.

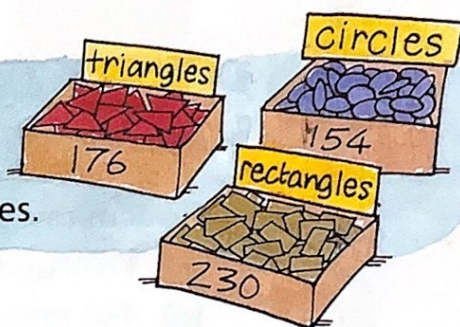
2 Divide these flags among 9 streets:

- (a) 99 red                      (b) 153 yellow                      (c) 954 orange  
(d) 703 green                      (e) 332 blue                      (f) 997 white.

- 3 (a)  $90 \div 8$                       (b)  $100 \div 9$                       (c)  $879 \div 8$                       (d)  $562 \div 9$   
(e)  $777 \div 9$                       (f)  $374 \div 8$                       (g)  $949 \div 8$                       (h)  $108 \div 9$   
(i)  $\underline{8} \overline{)968}$                       (j)  $\underline{9} \overline{)895}$                       (k)  $\underline{8} \overline{)807}$                       (l)  $\underline{9} \overline{)989}$

4 Paula shares the coloured shapes equally to make 9 window decorations.

For each decoration, find the number of  
(a) triangles                      (b) circles                      (c) rectangles.



5 560 candles are put into 8 equal bundles.

- (a) Paula takes one bundle.  
How many **candles** does she have?
- (b) She arranges her candles in sets of 8.  
How many sets does she have?  
How many candles has she left?



576 divides exactly by 9.

The sum of the digits of 576 divides exactly by 9.

- 6 (a) Check that the jester is correct.  
(b) Investigate this for these numbers:

279      630      747      819

- (c) **Without dividing**, find which of these numbers divide exactly by 9.

275      648      536      993      702

Problem solving