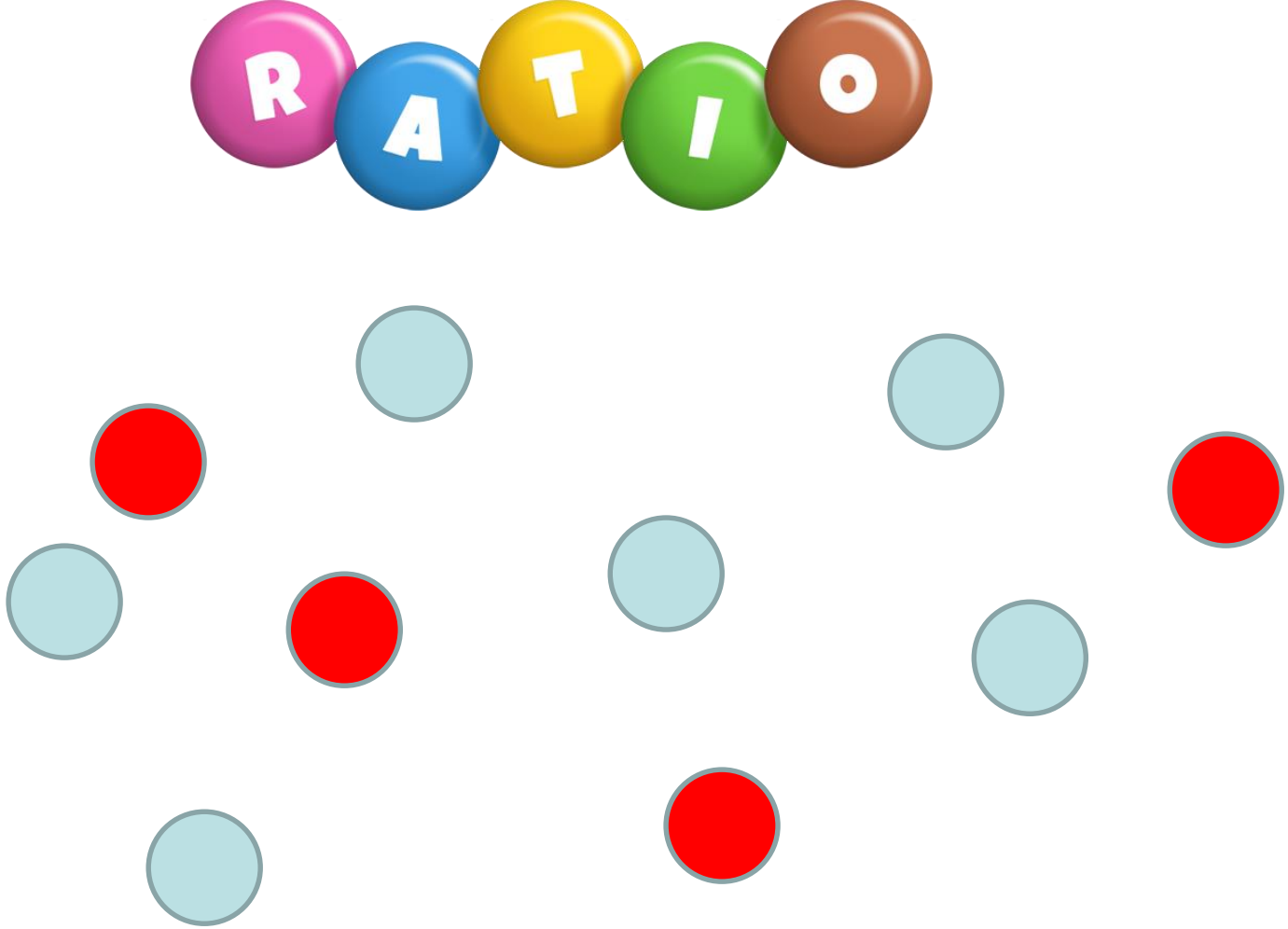

SMARTIES
PARTY!

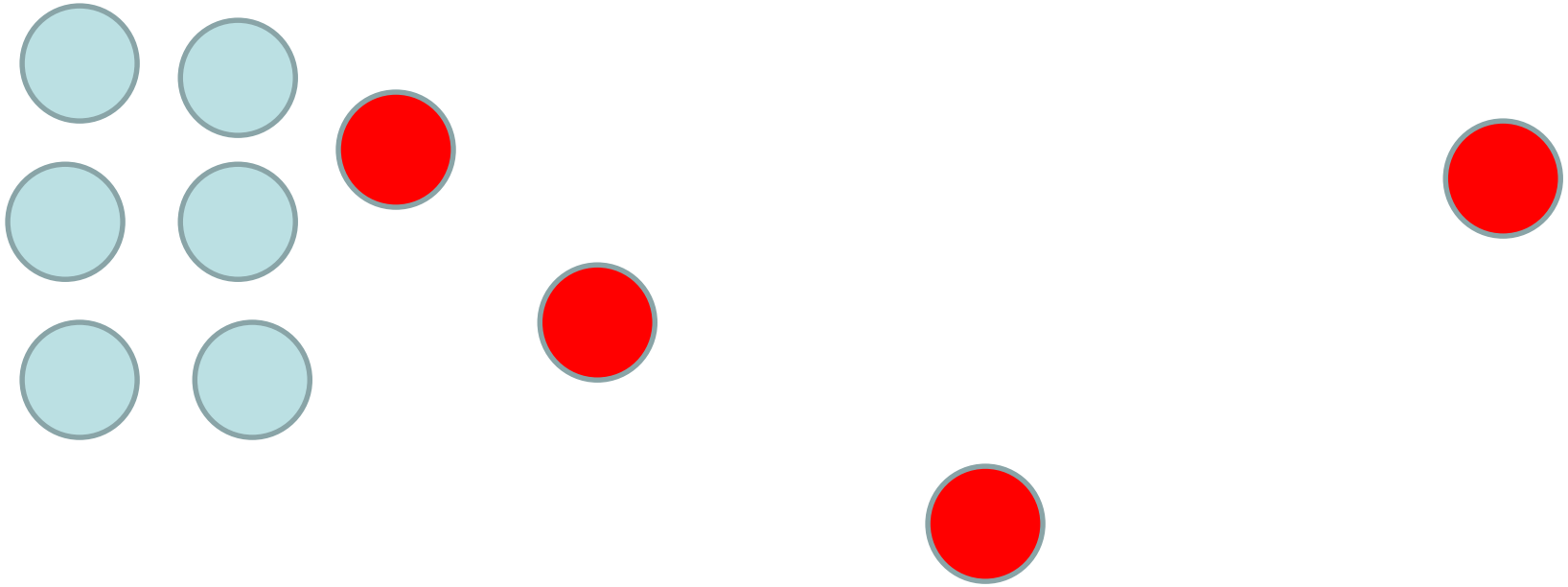
In pairs: Fill in how many Smarties of each colour there are in your tube and then write each as fraction and % out of the whole box

	Colour	Amount	Fraction of whole box	simplified fraction	percentage
e.g	yellow	6	6 / 24	1/4	25 / 100 = 25%
	TOTAL				

Have you simplified your fractions?



- What is the ratio of blue to red smarties?



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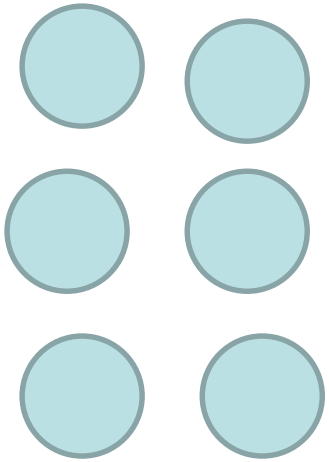

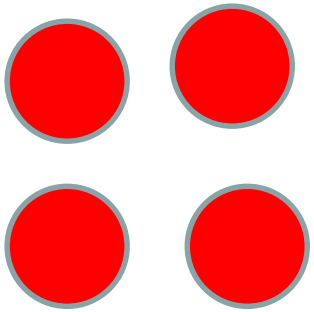

- What is the ratio of blue to red smarties?

6:4

Or if we simplify it then 3:2

COLOURS	RATIO	SIMPLIFIED RATIO
EXAMPLE RED:BLUE	6:8	3:4
BLUE:RED		
RED:PINK		
PINK:GREEN		
YELLOW:PINK		
PURPLE:PINK		
BLUE:YELLOW		
PURPLE:RED		
RED:ORANGE		
RED:ORANGE:PINK		
BLUE:PINK:GREEN		
RED:PINK:PURPLE		
YELLOW:PINK:BLUE		
ALL:BLUE		
ALL:RED:GREEN		
ALL:(ORANGE AND PINK)		
BLUE:GREEN:YELLOW:PINK		
ALL:GREEN:PINK		

- DRAW A BAR CHART TO ILLUSTRATE THE NUMBER OF SMARTIES OF EACH COLOUR.

ON AVERAGE, HOW MANY OF EACH COLOUR DO YOU GET IN EVERY TUBE OF SMARTIES??

FILL IN THE TOTAL AMOUNT FOR THE WHOLE CLASS

	TABLE 1	TABLE 2	TABLE 3	TABLE 4	TABLE 5	TABLE 6	MEAN
yellow							
blue							
purple							
red							
pink							
Green							
brown							
orange							
TOTAL							

PROBABILITY

a) What is the probability of finding a yellow in your box?
P(yellow) = 6/33

b) What is the probability of not finding a yellow in your box?
P(not yellow) =

c) What is the probability of finding a yellow or red in your box? P(yellow or red) =

d) What is the probability of not finding a red or orange in your box?
P(not red or orange) =

PIE CHARTS

- DRAW A PIE CHART SHOWING THE AVERAGE NUMBER OF EACH COLOUR OF SMARTIE