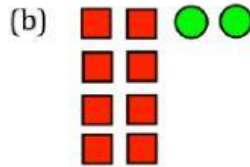
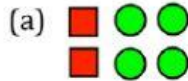


Name: \_\_\_\_\_ Grade: \_\_\_ No: \_\_\_ Room Nos: \_\_\_

1. For each of the following, write down the ratio of red squares to green circles. Give your ratios in their simplest forms.



a) Answer:

b) Answer:

c) Answer:

2. At a football match, there are 3000 men and 1800 women. Write down the ratio of male fans to female fans. Give your answer in its simplest form.



Answer:

Aidan, Bill and Cara share sweets in the ratio of their ages.

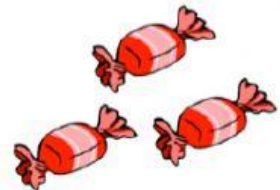
Aidan is 12 years old.

3. Bill is 9 years old.

Cara is 3 years old.

Write down the ratio of their ages.

Give your answer in its simplest form.



Ans:

4. A drawer contains white socks and black socks only.  
The number of white socks to the number of black socks is in the ratio 1:3  
There are 12 white socks.

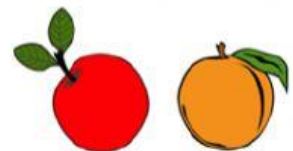
(a) Work out the number of black socks in the drawer.

(b) Work out the total number of socks in the drawer.

a) Ans:

b) Ans:

5. James has some apples and oranges.  
The ratio of apples and oranges is 2:5  
He has 15 oranges.  
How many apples does James have?



Ans:

6.  $y$  is directly proportional to  $x$ .  
Complete the table.

$x$	4	9	12
$y$			72

7. The cost,  $C$  pounds, of hiring a car is directly proportional to the number of days,  $d$ , it is hired.  
When  $d = 5$ ,  $C = 180$
- (a) Find the value of  $C$  when  $d = 3$   
(b) Find the value of  $d$  when  $C = 252$

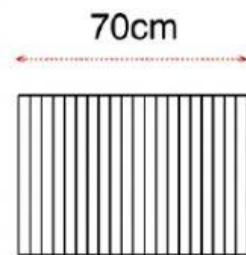
(a) Ans:

(b) Ans:

8. On a map, 4cm represents 60 miles.  
The distance between two towns is 37.5 miles.  
On the map, what is the distance between the two towns?

Ans:

9. Nathan has 20 identical books on a shelf.  
The books take up 70cm of space on the shelf.  
Nathan removes seven books.



How much space do the remaining books take up?

Ans:

10. 250 students attend a primary school.  
94% of the students go on a visit to the zoo.  
How many students went to the zoo?



Ans:

Carefully drag your answers from the table below

		45.5	4:1					
235	4: 3: 1			6	48	7		1:2
1:2	54	36	2.5	24	108	5:3		