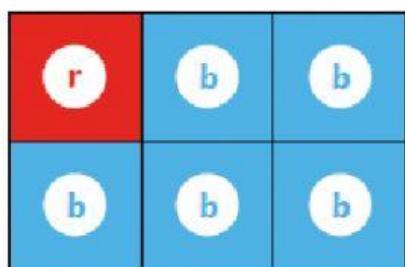


1. Write, as a fraction, the proportions for the colours on each grid:

a.



<input type="text"/>	<input type="text"/>
<hr/>	<hr/>
<input type="text"/>	<input type="text"/>

red blue

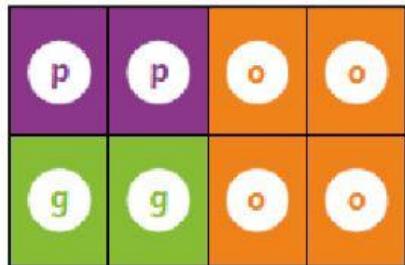
b.



<input type="text"/>	<input type="text"/>
<hr/>	<hr/>
<input type="text"/>	<input type="text"/>

yellow green

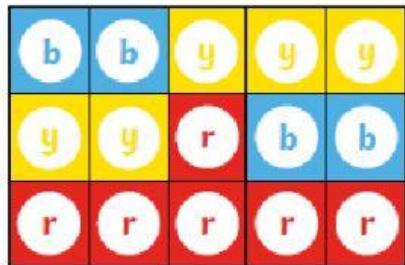
c.



<input type="text"/>	<input type="text"/>	<input type="text"/>
<hr/>	<hr/>	<hr/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Purple green orange

d.



<input type="text"/>	<input type="text"/>	<input type="text"/>
<hr/>	<hr/>	<hr/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Blue red yellow

1 Class 6 are playing basketball. Here are the number of shots each player has had and the number of baskets they scored.

a Write the proportion of baskets scored for each player.

Remember that proportion is a way to compare a part (the number of baskets) with the whole (the total number of shots).

Name	Number of shots in total	Number of baskets scored
Krishna	4	1
Alex	100	10
Lucy	6	3
Megan	3	1
Brett	16	8
Satpal	9	8

Krishna scores $\frac{1}{4}$ of her shots. Alex scores $\frac{\square}{\square}$ of his shots.

Lucy scores $\frac{\square}{\square}$ of her shots. Megan scores $\frac{\square}{\square}$ of her shots.

Brett scores $\frac{\square}{\square}$ of his shots. Satpal scores $\frac{\square}{\square}$ of his shots.

b Two players score half of the shots they take. Which players are they?

and

2 Direct proportion means that, as one thing increases, so does another.

a How much do two

notepads cost?



b How much will it cost to buy 9 pencils? Why?

c Tom spends 80c on sticky notes. How many packs does he buy? Why?

3 Use the recipe to work out the amounts.

a How much butter is required for

64 gingerbread men? g

b How much flour is required for

80 gingerbread men? g

c How many gingerbread men can be made with 15 g sugar

(plus other ingredients)? gingerbread men

d How many gingerbread men can be made with 5 g ginger

(plus other ingredients)? gingerbread men

Gingerbread Men

Makes 16 gingerbread

180g flour 40g ginger

110g butter 30g sugar