Hello y6 This is your 2 day scroll for Wednesday and Thursday

Wednesday 6th May   Using your knowledge of ratio so far, complete mastery:

...ges for comparison. **If pupils have mastered this objective th... activities independently:** **Paint Mixing** Purple paint is made from red and blue paint mixed in the ratio of 3:5. To make 40 litres of purple paint, how much of each colour is needed?	Orange paint is mixed from yellow and red paint mixed to the ratio of 1:4 To make 75 litres of paint, how much yellow is needed? How much red?	**NOTES TO HELP** Remember if ratio 3:5 makes 40 litres of paint You have 3 and 5 parts as total = 8 parts so 40 litres divided into 8 parts? Or how many 8's into 40? It's 5 isn't it? Therefore 5 litres of paint = 1 part as expressed in the ratio 3:5 so the 3 parts red = how many litres? The 5 parts blue = how many litres? If you are correct your litres of blue answer and litres of red answer should total 40 litres. Remember in percentage issue to convert percentage to fraction and use a bar chart as I demonstrated earlier in the week.
Pie Time A recipe needs to include three times as much apple to peach. The total weight of apples and peaches in a recipe is 800 grams. How much apple do I need? To make cup cakes I need to put in 4 times as much flour as sugar and 2 times as much flour as butter. If I use 35g of sugar, how much flour and butter do I need?	**Percentage Issue** 80% of a sum of money = £240 What is 100% of the money? 75% of a length is 150cm What is the total length? 30% of the weight is 270grams. What is the total weight?	

Flower Beds (different questions here using the same ratio....3:2

1)In a flower bed a gardener plants **3** red bulbs **for every 2** white bulbs. How many red and white bulbs might she plant if you have 15 red bulbs?

2)What if she had 100 bulbs altogether? How many red and white bulbs then?

3)Or if she had 75 red bulbs how many white bulbs would she need to buy?

4)If she wanted to plant 250 bulbs, how many red? How many white?

Sale

In a sale where everything is reduced by 20%, I paid the following prices for 3 items:

1)£240   2) £848   3) £4.08

What were the original prices?

Eggstraordinary

Farmer Henry spent exactly £10 on 100 eggs.
There were 3 sizes of eggs: Large; Medium and Small.
Large eggs cost 50p; Medium eggs cost 10p and Small eggs cost 5p.
For 2 of the sizes, he bought the same number of eggs.
How many of each size did he buy?

How did you do?

Answers for

 Paint Mixing :15l red paint   25l blue   15l yellow   60l red

Pie Time: need 600g apple

Cup cakes: 140g flour and 280g butter

Percentages: 80% $= \frac{8}{10}$ =£240 so $\frac{1}{10}$ = £30 so 100% or $\frac{10}{10}$ = £ 300

75% $= \frac{3}{4}$ = 150cm so one quarter= 50cm so $\frac{4}{4}$ or 100% = 200cm

30% $= \frac{3}{10}$ = 270g so $\frac{1}{10}$ = 90g so $\frac{10}{10}$ (100%) = 900g

Answers for

Flower Beds	Sale
1) 15 red 10 white 2) 60 red and 40 white 2) 50 white bulbs 3) 150 red 100 white	1)£300 2)£1060 3)£5.10

Eggs= 10 large eggs and 10 medium eggs and 80 small eggs