

Purple paint is created using two parts red paint to three parts blue paint. Write the number of tins of each paint needed to create:

- | | | | | | |
|---|---------|---|----------|---|---------|
| 1 | 15 tins | 2 | 30 tins | 3 | 50 tins |
| 4 | 5 tins | 5 | 100 tins | 6 | 60 tins |

1. 6 red
9 blue



Investigate the ratio of vowels to consonants in your name. What about your friends' names?

True or false?

- 7 Hair-dye is three parts gold to five parts brown. There are 150 ml of gold in 400 ml of dye.



- 8 Pink paint is five parts white to one part red. There is 1 litre of red in 1.2 l of paint.

- 9 Three out of eight marbles in a jar are red. There are 16 marbles that are not red in a jar of 24.
- 11 Four dogs out of every five dogs wear a collar. In a village of 100 dogs, there are 20 without collars.
- 12 The ratio of female to male cats in a street is 2:7. Out of 45 cats, ten are female.

