

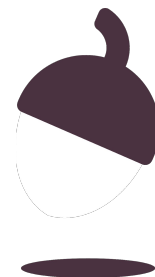
Mathematics

# Proportion problems

## Ratio problems

### Independent Task

Miss Parsons



**OAK**  
NATIONAL  
ACADEMY

## Question 1

This table shows the ratio of songs that different radio DJs play on the radio station throughout the day. Can you find the missing information?

Radio station	Ratio of songs New : Old	Songs played in a day		
		New	Old	Total
Orchestra FM	3 : 1	66		
Radio Rock	___ : 3		81	135
Pop Radio	3 : 5			48
Mindful Melodies	___ : ___	60	24	



## Question 2

The Sugar Plum Bakery make delicious cupcakes and cakes.

There are three times as many unicorn cakes as rainbow cakes.



Will there still be three times as many if you:

- |                                   |   |
|-----------------------------------|---|
| a) Add 2 cakes of each type?      | c) Double each type of cake?              |
| b) Halve the number of each type? | d) Add one rainbow and two unicorn cakes? |



### Question 3

Amina planted some seeds.

For every 3 seeds Amina planted, only 2 seeds grew.

Altogether 12 seeds grew.

How many seeds did Amina plant?

