N2a

## Matching 72

|  |  |  |  |
| --- | --- | --- | --- |
| 0.03 × 72 | 30% of 72 | 1.25 of 72 | 72 × 100 |
|  of 72 | 3% of 72 |  of 72 |  of 72 |
| 72 ÷  | 0.01 × 72 |  of 72 | 33% of 72 |
| 125% of 72 | 72 ÷ 10 | 1% of 72 | 0.3 × 72 |
|  of 72 | 72 ÷ 0.01 | 0.1 of 72 | 72 ÷ 100 |

N2b

## Cake ingredients

|  |  |  |
| --- | --- | --- |
| In total the cakes weigh 7200 grams. | An egg weighs about 50 grams. | Butter weighs 1.7 times as much as the eggs. |
| The chocolate weighs  of the cake. | Raisins weigh 60% of the chocolate. | The flour weighs 175% of thechocolate. |
| Sugar weighs 225% of the nuts. | Flour weighs  of the total. | The nuts weigh 0.7 of the chocolate. |
| Eggs weigh 125% of thechocolate. | The recipe contains 20 eggs. | The raisins weigh  of the nuts. |

NOTE: In science mass is measured in grams. Weight is the force of gravity on an object and is measured in newtons. However, it is common practice to refer to ‘weighing’ as a process when determining the mass of an object.

N2c

## Cake costs

|  |  |  |
| --- | --- | --- |
| Chocolate costs 95p per 100 grams. | Eggs cost 84p per dozen. | Butter costs 30p for 0.1 kilograms. |
| Sugar costs £0.40 for 200 grams. | Raisins cost £0.20 per 100 grams. |  |
| Nuts cost £1.25 for 70 grams. | Flour costs 35p per 200 grams. |  |

N2d

## Odd one out

Name:

School:

Which problem is the odd one out? Cross it out.

|  |  |
| --- | --- |
| A bag of raisins cost £1.20.How much do 60 bags cost? | Fish costs £16 per kilogram. How much does  kg of fish cost?  |
| Gold costs £160 per ounce.How much does  of an ounce cost? |  of £90 |
| 125% of £48 | A chocolate bar costs £0.30.How much do 200 chocolate bars cost? |

Explain why the problem you chose is the odd one out.

N2e

## How well am I doing?

Name

School

**I can work mentally on problems involving fractions, decimals and percentages**
(tick a box):

🞏 on my own

🞏 with some help

**I can compare proportions which involve fractions, decimals and percentages**(tick a box):

🞏 on my own

🞏 with some help

**My next target**

I want to get better at: