Year Five Mixed Reasoning Homework

Success criteria

What are the key words?

The key facts?

What do we know?

What do we want to know?

Q1.

One gram of gold costs £32.94

What is the cost of **12grams** of gold?

Show your method

£

2 marks

Q2.

A box contains 2.6 kg of washing powder.

washing
powder

2.6 kg

Jack uses 65 grams of powder for each wash.

He uses all the powder.

How many washes did Jack do?

Show your method

washes

2 marks

Q3.

Write these in order of size, starting with the smallest.

$$\frac{2}{3} \qquad 0.5 \qquad \frac{3}{5} \qquad 0.65$$

smallest

1 mark

Q4.

A packet contains 1.5 kg of oats.

Every day Maria uses 50 g of oats to make porridge.

How many days does the packet of oats last?

Show your method

days

2 marks

Q5.

Write these in order of size, starting with the smallest.

$$\frac{3}{4} \qquad 0.34 \qquad 0.7 \qquad 43\%$$

smallest

1 mark

Q6.

Here is a number written in Roman numerals.

DCCIX

Write the number in figures.

Q7.

The numbers in this sequence increase by equal amounts each time.

Write in the three missing numbers.

1				7

2 marks

Q8.

The numbers in this sequence increase by the same amount each time.

Write the missing numbers.

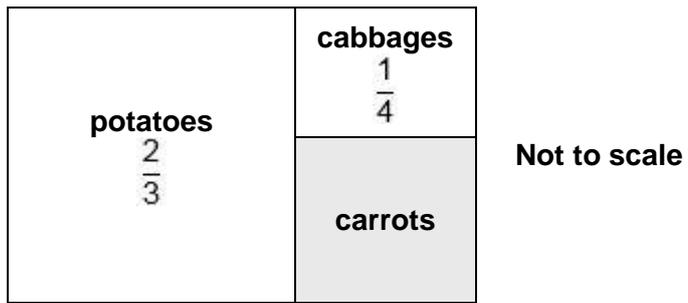|	1	$1\frac{5}{8}$	$2\frac{1}{4}$	

2 marks

Q9.

Lara had some money.

She spent £1.25 on a drink.

She spent £1.60 on a sandwich.

She has **three-quarters** of her money left.

How much money did Lara have to **start with**?

£

2 marks

Q10.

This is Kirsty's recipe for breakfast cereal.

50 grams of oats

30 grams of raisins

40 grams of nuts

If she uses 125 grams of oats, how many grams of raisins does she need?

Show
your
method

g

2 marks

Q11.

$$\frac{6}{5} \qquad \frac{3}{5} \qquad \frac{3}{4}$$

Write these fractions in order, starting with the **smallest**.

smallest		

Q12.

In this circle, $\frac{1}{4}$ and $\frac{1}{6}$ are shaded.

What fraction of the whole circle is **not** shaded?

Show your method

Q13.

This is a diagram of a vegetable garden.

It shows the fractions of the garden planted with potatoes and cabbages.

	cabbages $\frac{1}{4}$
potatoes $\frac{2}{3}$	
	carrots

Not to scale

The remaining area is planted with carrots.

What **fraction** of the garden is planted with carrots?

Show your method

2 marks