# KS2 MATHEMATICS ASSESSMENTS

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There are 3 papers over the week

1. Paper 1 Arithmetic
2. Paper 2 Reasoning
3. Paper 3 Reasoning

They will be tested on these over the week set in May:

WC 11th May. They have not released the specific dates for the tests as of yet.

# Arithmetic paper 1

This test is timed- 30 minutes long

There will be 36 questions set for paper 1 with a total of 40 marks available.

These will all be based around number, rather than word/reasoning problems- these will require a specific number answer.

The paper will cover the 4 number operations, including calculations on fractions, decimals and percentages. The paper will also cover long multiplication and division.

There will be space for working out. Sometimes a blank box, other questions will have squared paper. It is important your child shows their working, there are extra marks available for this.

# Paper 1 examples

**13**  $60 \div 15 =$

_(answer box, 1 mark)_

**15**  $3{,}050{,}020 = 3{,}000{,}000 + \boxed{\phantom{000}} + 20$

_(1 mark)_

**23**

$$
\begin{array}{r}
8\ 3\ 6 \\
\times \quad 2\ 7 \\
\hline
\end{array}
$$

Show your method

_(answer box, 2 marks)_

# Reasoning paper 2 and 3

This is a timed test- both tests are 40 minutes long.

Paper 2 and 3 have a total of 35 marks. There will be a range from 1 mark to 3 mark questions. It is important children show their thinking/ working out to gain extra marks if the answer they write is incorrect.

The questions on these papers will be based on the whole KS2 Maths curriculum including: number, shape, measure, statistics and fractions.

There will be multiple choice, true and false questions, questions which as children to draw or complete and trial and error questions.

There is space for the children to work out and the children are awarded marks for methods they use, even if their answer is incorrect.
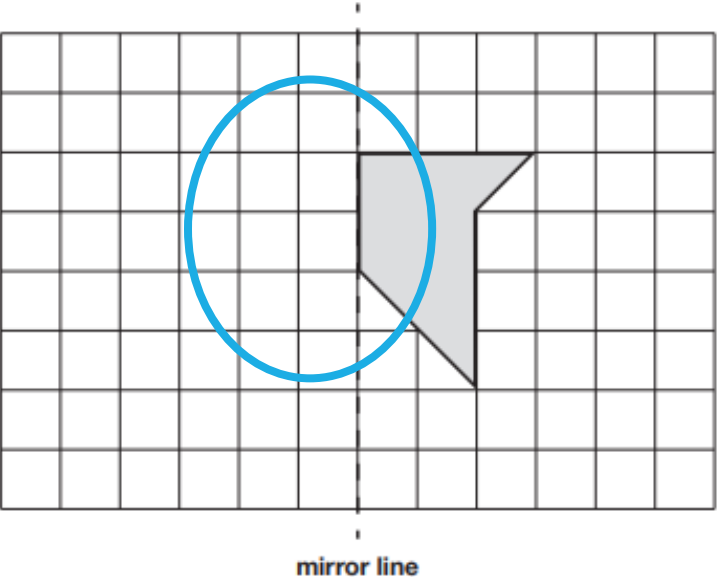
# Paper 2 and 3 examples

**1** Here is a shape on a grid.

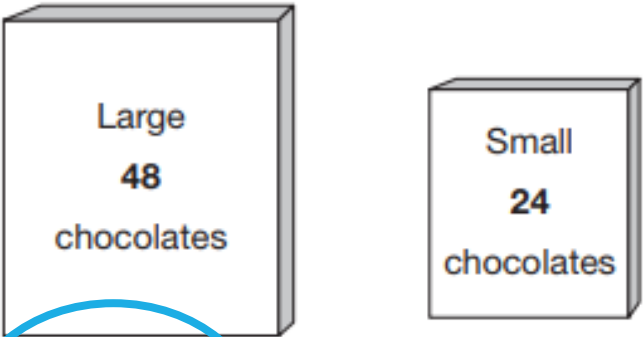Complete the design so that it is symmetrical about the mirror line.

Use a ruler.

mirror line

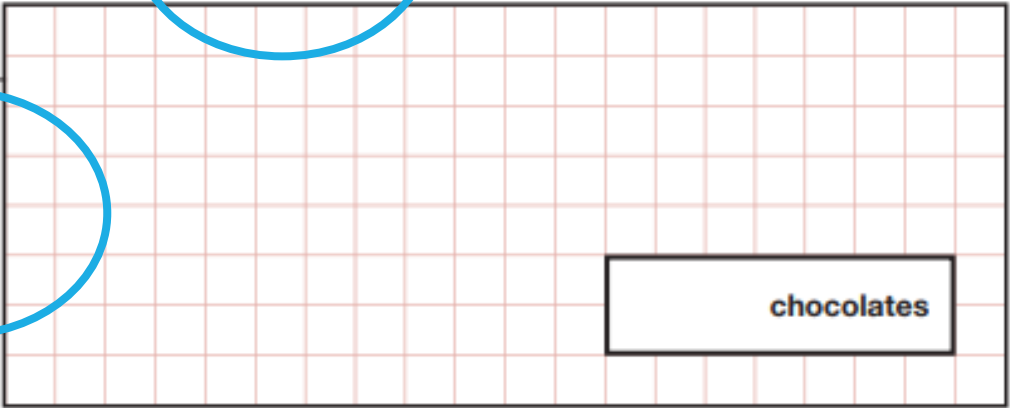**8** Ken buys 3 large boxes and 2 small boxes of chocolates.

Each large box has 48 chocolates. Each small box has 24 chocolates.

Large
**48**
chocolates

Small
**24**
chocolates

How many **chocolates** did Ken buy altogether?

1 mark

Show your method

chocolates

2 marks

**9** The list below shows the years in which the Cricket World Cup was held since 1992:

1992, 1996, 1999, 2003, 2007, 2011, 2015

Adam says,

The Cricket World Cup has been held every four years since 1992.

Adam is **not** correct.

Explain how you know.

1 mark

**10**

| > | = | < |

Write the correct symbol in each box to make the statements correct.

11 × 12 ☐ 15 × 10

90 ÷ 30 ☐ 60 ÷ 20

120 ÷ 4 ☐ 160 ÷ 8

30 × 8 ☐ 100 × 10

2 marks

# Paper 2 and 3 examples

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

Write the missing numbers.

| | 42 | 49 | | | 63 | | |

2 marks

**20** In March, Ken collects 2, 3 or 4 eggs each day from his hens.

In the first 20 days, Ken collects 57 eggs altogether.

There are 31 days in March.

What is the **greatest** number of eggs Ken can collect in March?

Show your method

eggs

2 marks

**13** A box contains 2.6 kg of washing powder.

washing powder

2.6 kg

Jack uses 65 grams of powder for each wash.
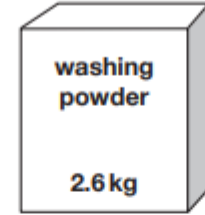
He uses all the powder.

How many washes did Jack do?

Show your method
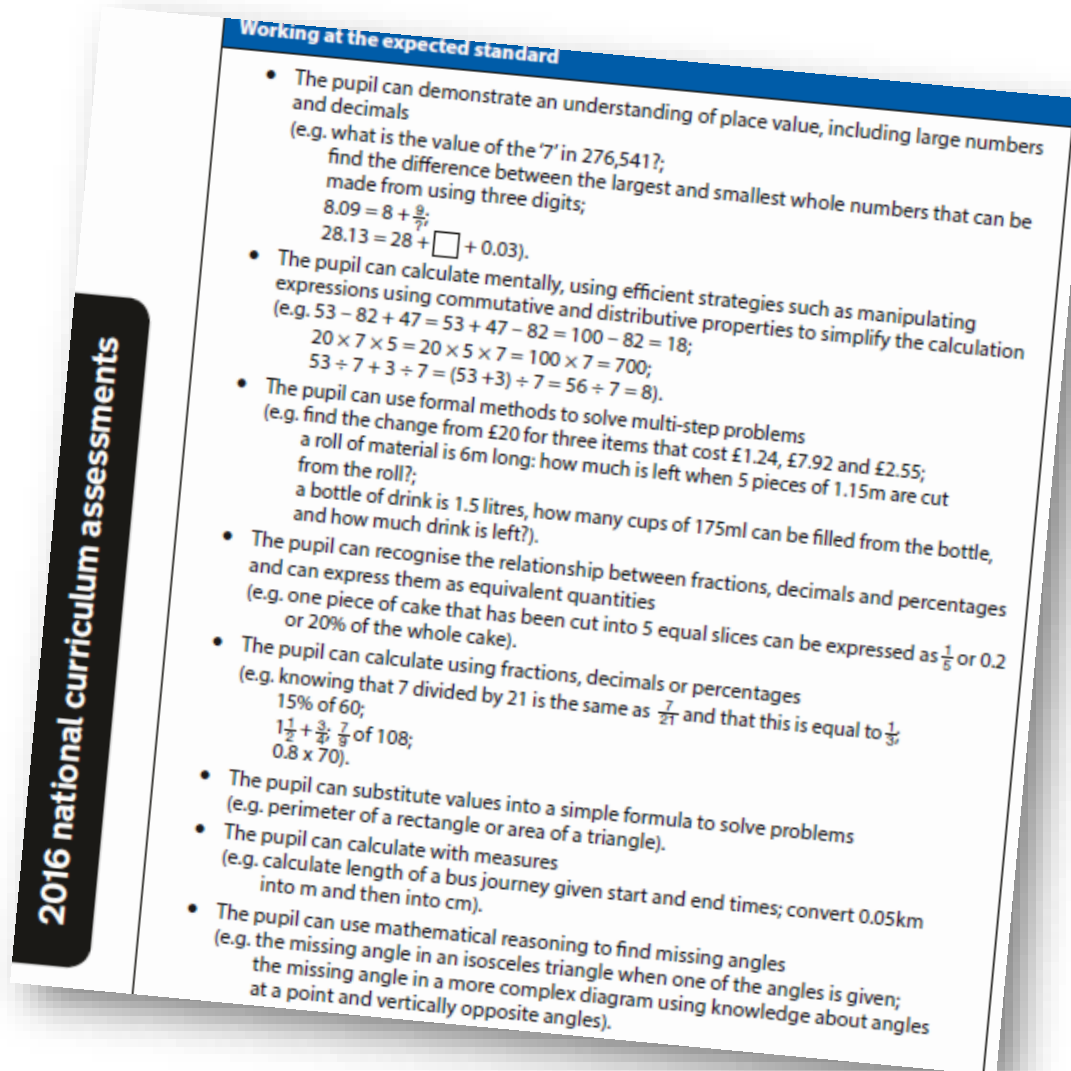
washes

2 marks

# National curriculum expectations

These Frameworks set out
the standards a pupil will be
assessed against in *maths.*

# Scaled scores

- The tests at the end of KS2 will report in the form of a scaled score in their end of year school reports.
- The 'expected standard' will always be set at a scaled score of100.
- Raw scores in the test will be converted into scaled scores.

- The 'raw score' that equates to 100 might be different each year.
- Pupils who score a scaled score of 100 or more will have met the 'expected standard'.
- Pupils who score below 100 will not have met the 'expected standard'.

# How can you help?

- Support with mental maths and recall of facts- including times tables

- Times table rockstars app practice at home

- Revision booklets (post 2014 curriculum)

- Completing the Termly PIXL homework packs- usually come out at Christmas and Easter

- Practise explaining answers/methods in full sentences and writing these down (reasoning).

- Make sure your child gets lots of brain breaks and fresh air too.