Diagnostic Assessment Toolkit:
Year 2

YEAR TWO

Diagnostic Assessment Toolkit

Assessing Prior Learning in Mathematics

Gary Casey, Becky Moseley, Tracey Sandhu and Tom Oakley - Cambridgeshire Maths Team

This is a companion guide for the Diagnostic Assessment Toolkit: Year 2 created by the Cambs Maths Team.
The featured activities can be carried out to assess children's understanding of their prior learning, from Year 1.

Credit: Some images of manipulative resources were created with mathsbot.com

Place Value and Number

Diagnostic assessment activities you could try:

- <u>Tell me about</u> - Ask children to talk about numbers represented in different ways, e.g. 39 shown with Numicon, Base 10, tens frames etc. Can they identify the number represented?

- <u>Show me</u> - Ask children to 'build' numbers to 20 and then to 100. Later, include numbers over 100, particularly those which include 0 (e.g. 105).

- <u>Read it</u> - Show children numbers written in digits and ask them to name them aloud.

- <u>Write it</u> - Read some numbers to children and ask them to write them in digits.

- <u>Sort it</u> - Can children sort given numbers into those which are odd and those which are even?

- <u>Compare it</u> - Can children compare two given numbers or quantities of objects?

Place Value and Number

Cambs Maths Team

Tell me about
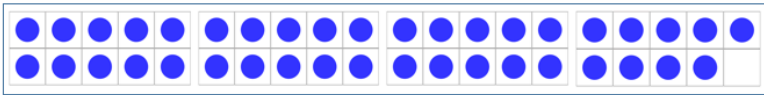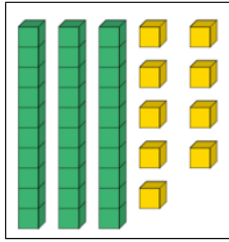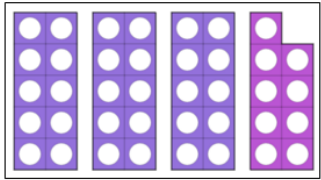
Show me

Can you show me these numbers (with equipment)?

12   fourteen   37   sixty   73

Read it

Can you read these numbers?

17   26

40

71   68

104

Write it

Can you write these numbers? (read them aloud to the pupil)

18   50

45

23   90

102

Sort it

Are these numbers odd or even?

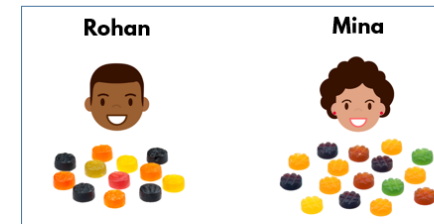15   46   7   29

30   18   32   4

How do you know?

Compare it

Who has the most sweets?

Who has the fewest sweets?

How do you know?
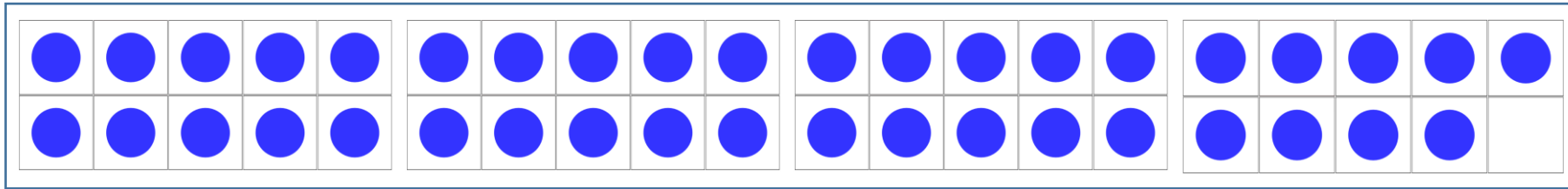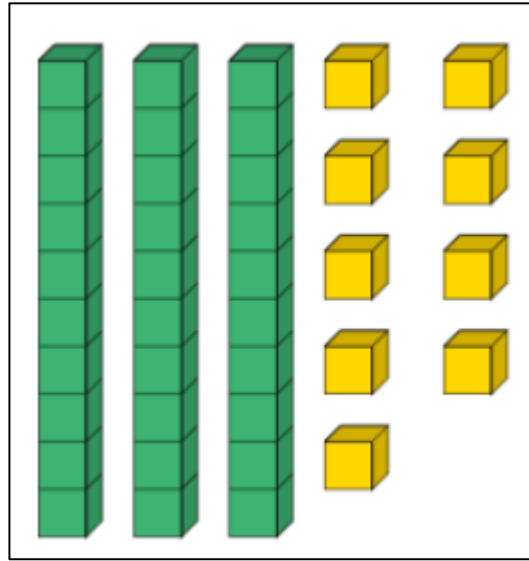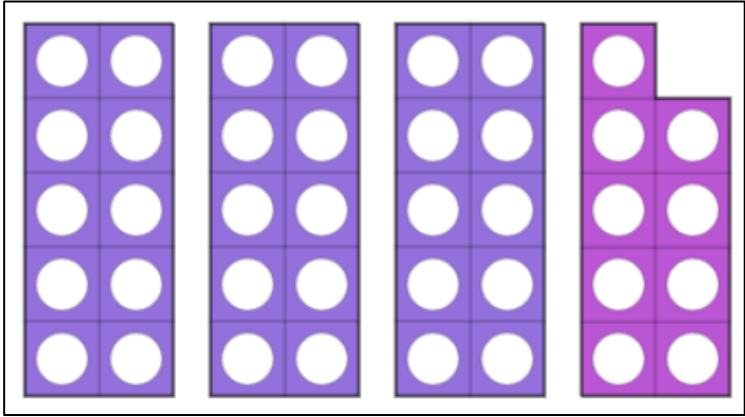
Rohan   Mina

Which number in each pair is the greatest?

15   24

19   17

Which is the lowest number in each pair?

46   64

42   46

How do you know?

Tell me about

Show me

12 **fourteen** **37** **sixty** **73**

Read it

Can you read these numbers?

17   **26**

40

71   **68**

104

Write it

Can you write these numbers? (read them aloud to the pupil)

18   **50**

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23   **90**

102

Sort it

Are these numbers odd or even?

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30   18   32   4

How do you know?

Compare it

Who has the most sweets?

Who has the fewest sweets?

How do you know?

Rohan

Mina

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How do you know?