Reasoning and Problem Solving
Step 7: Order Numbers Within 50

National Curriculum Objectives:

Mathematics Year 1: (1N1a) Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
Mathematics Year 1: (1N2a) Count, read and write numbers to 100 in numerals
Mathematics Year 1: (1N4) Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least

Differentiation:

Questions 1, 4 and 7 (Reasoning)
Developing Explain if a statement is correct when ordering numbers that do not cross 10, up to and including 50. Using one type of manipulative.
Expected Explain if a statement is correct when ordering numbers up to and including 50. Using one type of manipulative.
Greater Depth Explain if a statement is correct when ordering numbers up to and including 50. Using mixed manipulatives.

Questions 2, 5 and 8 (Reasoning)
Developing Identify the incorrect statement when ordering numbers that do not cross 10, up to and including 50. Use of language to order numbers.
Expected Identify the incorrect statement when ordering numbers up to and including 50. Use of inequality symbols to order numbers.
Greater Depth Identify the incorrect statement when ordering numbers up to and including 50. Use of inequality symbols to order numbers, some use of partitioned numbers and numbers written as words.

Questions 3, 6 and 9 (Problem Solving)
Developing Find 3 possible missing numbers when ordering numbers that do not cross 10, up to and including 50. Use of language to order numbers.
Expected Find 3 possible missing numbers when ordering numbers up to and including 50. Use of inequality symbols to order numbers.
Greater Depth Find 3 possible missing numbers when ordering numbers up to and including 50. Use of inequality symbols to order numerals, numbers written as words and some use of partitioned numbers.

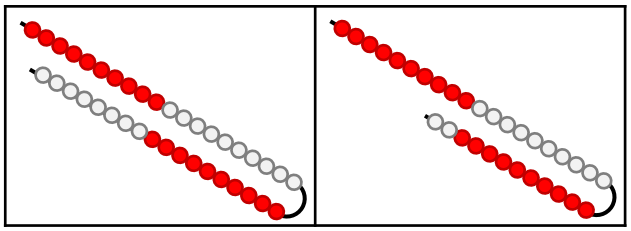
More Year 1 Place Value resources.

Did you like this resource? Don't forget to review it on our website.

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Order Numbers Within 50

1a. Tom is ordering the bead strings.



He says,



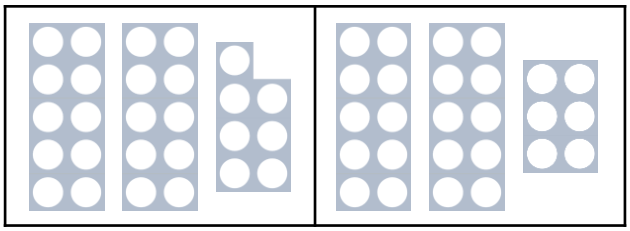
The groups are ordered from largest to smallest.

Do you agree? Explain your answer.

D

R

1b. Jess is ordering the number pieces.



She says,



The groups are ordered from smallest to largest.

Do you agree? Explain your answer.

D

R

2a. Which statement is incorrect?

A. 37 is less than 34

B. 26 is more than 23

C. 46 is less than 49

Explain your answer.

D

R

2b. Which statement is incorrect?

A. 23 is less than 25

B. 36 is more than 39

C. 44 is more than 42

Explain your answer.

D

R

3a. Kat is ordering numbers.

43	is less than		is less than	47

What number could be on Kat's missing digit card?

Give 3 possible answers.

D

PS

3b. Rex is ordering numbers.

39	is more than		is more than	35

What number could be on Rex's missing digit card?

Give 3 possible answers.

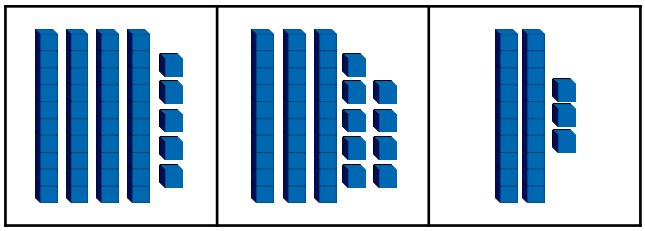
D

PS

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Order Numbers Within 50

4a. Asha is ordering the Base 10.



She says,



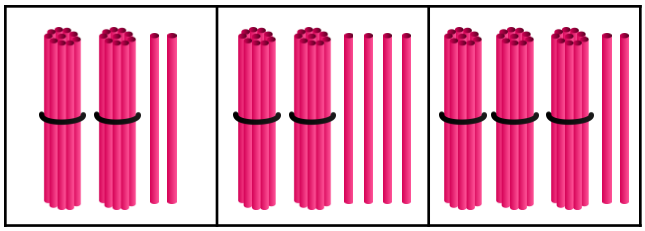
The groups are ordered from smallest to largest.

Do you agree? Explain your answer.

E

R

4b. Rory is ordering the straws.



He says,



The groups are ordered from largest to smallest.

Do you agree? Explain your answer.

E

R

5a. Which statement is incorrect?

A. $25 < 29 < 32$

B. $46 < 48 < 50$

C. $37 > 41 > 43$

Explain your answer.

E

R

5b. Which statement is incorrect?

A. $17 > 24 > 36$

B. $22 < 39 < 48$

C. $50 > 39 > 14$

Explain your answer.

E

R

6a. Sam is ordering numbers.

19	<	28	<		<	37

What number could be on Sam's missing digit card?

Give 3 possible answers.

E

PS

6b. Ava is ordering numbers.

48	>	36	>		>	30

What number could be on Ava's missing digit card?

Give 3 possible answers.

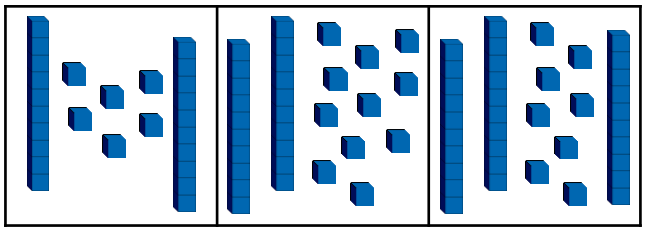
E

PS

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Order Numbers Within 50

7a. May is ordering the Base 10.



She says,



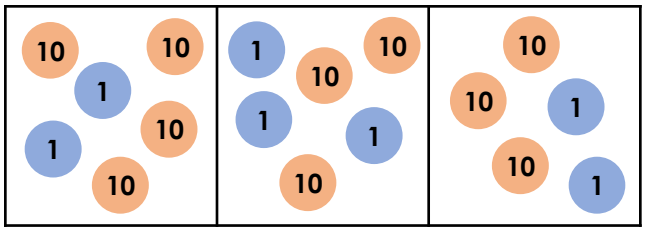
The groups are ordered from largest to smallest.

Do you agree? Explain your answer.

GD

R

7b. Ethan is ordering the counters.



He says,



The groups are ordered from smallest to largest.

Do you agree? Explain your answer.

GD

R

8a. Which statement is incorrect?

A. thirty > 20 + 3 > 12

B. 40 + 2 > 35 > 30 + 1

C. 36 < twenty < 19

Explain your answer.

GD

R

8b. Which statement is incorrect?

A. 32 < 40 + 6 < fifty

B. 30 + 9 > 41 > 40 + 7

C. forty > 30 + 5 > 26

Explain your answer.

GD

R

9a. Imran is ordering numbers.

30 + 2	>	twenty-nine	>		>	2 tens and 1 one

What number could be on Imran's missing digit card?

Give 3 possible answers.

GD

PS

9b. Rosie is ordering numbers.

1 ten and 3 ones	<	30 + 1	<		<	forty

What number could be on Rosie's missing digit card?

Give 3 possible answers.

GD

PS

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Reasoning and Problem Solving
Order Numbers Within 50

Developing

1a. Tom is correct because 38 is greater than 32.

2a. A is incorrect because 37 is more than 34.

3a. 44, 45 or 46

Expected

4a. Asha is incorrect because the groups ae ordered from largest to smallest.

5a. C is incorrect because it should be 37 < 41 < 43.

6a. Various answers, for example: 29, 30 or 31

Greater Depth

7a. May is incorrect because the groups are ordered from smallest to largest.

8a. C is incorrect because it should be 36 > twenty > 19.

9a. Various answers, for example: 28, 27 or 26

Reasoning and Problem Solving
Order Numbers Within 50

Developing

1b. Jess is incorrect because the groups are ordered from largest to smallest.

2b. B is incorrect because 36 is less than 39.

3b. 38, 37 or 36

Expected

4b. Rory is incorrect because the groups are ordered from smallest to largest.

5b. A is incorrect because it should be 17 < 24 < 36.

6b. Various answers, for example: 33, 32 or 31

Greater Depth

7b. Ethan is incorrect because the groups are ordered from largest to smallest.

8b. B is incorrect because it should be 30 + 9 < 41 < 40 + 7.

9b. Various answers, for example: 36, 37 or 38

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