Reasoning and Problem Solving
Step 6: Compare 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: (1N2b) Given a number, identify one more and one less
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 (Problem Solving)
Developing Match numbers to complete comparison statements using numbers up to and including 50. Numerals only and comparison language. Number track provided for support.
Expected Match numbers to complete comparison statements using numbers up to and including 50. Numerals only and comparison language.
Greater Depth Match one number to fit all the comparison statements, using numbers up to and including 50. Numerals, words and comparison language.

Questions 2, 5 and 8 (Reasoning)
Developing Explain if a statement is correct, using knowledge of comparing numbers up to and including 50. Numerals only and comparison language. Marked number track provided for support.
Expected Explain if a statement is correct, using knowledge of comparing numbers up to and including 50. Numerals and comparison language. Unmarked number track provided for support.
Greater Depth Explain if a statement is correct, using knowledge of comparing up to three numbers up to and including 50. Numerals, partitioned numbers and comparison language.

Questions 3, 6 and 9 (Problem Solving)
Developing Spot the mistakes when comparing numbers up to and including 50.Numerals and inequality symbols, with a number track provided for support.
Expected Spot the mistakes when comparing numbers up to and including 50. Numerals and inequality symbols.
Greater Depth Spot the mistakes when comparing three numbers up to and including 50. Numerals and inequality symbols.

More Year 1 Place Value resources.

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

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Compare Numbers Within 50

1a. Match the numbers to each child's statement.



Alex

☐ is more than 17.



Esme

☐ is less than 20.

22 19

D

15	16	17	18	19	20	21	22	23

PS

1b. Match the numbers to each child's statement.



Liam

☐ is more than 36.



Hope

☐ is less than 41.

42 37

D

34	35	36	37	38	39	40	41	42

PS

2a. Kai is using a number track to compare two numbers.

27	28	29	30	31	32	33	34	35	36

He says,



30 is more than 28.

Is he correct? Explain your answer.

D

R

2b. Sanah is using a number track to compare two numbers.

41	42	43	44	45	46	47	48	49	50

She says,



47 is less than 42.

Is she correct? Explain your answer.

D

R

3a. Erin is marking her friend's work. Spot and correct any mistakes.

A.	34	is less than	41	.
B.	44	is less than	36	.
C.	40	is more than	49	.

34	35	36	37	38	39	40	41	42	43	44	45	46

D

PS

3b. Pete is marking his friend's work. Spot and correct any mistakes.

A.	34	is more than	37	.
B.	29	is more than	25	.
C.	31	is more than	32	.

25	26	27	28	29	30	31	32	33	34	35	36	37

D

PS

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Compare Numbers Within 50

4a. Match the numbers to each child's statement.



Miller

25 is more than ☐ .



Sanah

42 is less than ☐ .

21 49

E PS

5a. Simon is using a number track to compare two numbers.

26	27	28	29	30	31	32	33	34	35

He says,



26 is more than 30.

Is he correct? Explain your answer.

E R

6a. Sienna is marking her friend's work. Spot and correct any mistakes.

A.	26	>	21	
B.	50	<	44	
C.	18	>	27	
D.	47	>	48	

E PS

Compare Numbers Within 50

4b. Match the numbers to each child's statement.



Frank

34 is more than ☐ .



Lydia

38 is less than ☐ .

25 40

E PS

5b. Kya is using a number track to compare two numbers.

37	38	39	40	41	42	43	44	45	46

She says,



39 is less than 42.

Is she correct? Explain your answer.

E R

6b. Edward is marking his friend's work. Spot and correct any mistakes.

A.	33	>	41	
B.	20	<	36	
C.	31	>	32	
D.	24	<	19	

E PS

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Compare Numbers Within 50

7a. Which number below fits all the statements?

25 is less than ☐ .

38 is more than ☐ .

27 is less than ☐ .

12	33	41	23	49

GD PS

8a. Ben is comparing two numbers.

He says,



22 is more than 32 and 32 is more than 42.

Is he correct? Explain your answer.

GD R

9a. Asha is marking her friend's work. Spot and correct any mistakes.

A.	28	>	21	<	34	
B.	48	<	42	<	50	
C.	21	>	18	<	34	
D.	33	<	45	<	29	

GD PS

Compare Numbers Within 50

7b. Which number below fits all the statements?

41 is more than ☐ .

thirty-two is less than ☐ .

44 is more than ☐ .

27	39	50	19	48

GD PS

8b. Ruby is comparing two numbers.

She says,



39 is less than 45 and 39 is more than 4 tens.

Is she correct? Explain your answer.

GD R

9b. Enzo is marking his friend's work. Spot and correct any mistakes.

A.	31	<	25	>	21	
B.	29	<	36	<	43	
C.	50	>	19	>	40	
D.	26	<	36	>	46	

GD PS

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Reasoning and Problem Solving
Compare Numbers Within 50

Developing

1a. Alex → 22; Esme → 19

2a. Kai is correct. 30 is two more more than 28.

3a. B. 44 is more than 36; C. 40 is less than 49.

Expected

4a. Miller → 21; Sanah → 49.

5a. Simon is incorrect. 26 is less than 30.

6a. B. 50 ≥ 44; C. 18 ≤ 27; D. 47 ≤ 48

Greater Depth

7a. 33

8a. Ben is incorrect. 22 is less than 32 and 32 is less than 42.

9a. B. 48 ≥ 42 < 50; D. 33 < 45 ≥ 29

Reasoning and Problem Solving
Compare Numbers Within 50

Developing

1b. Liam → 42; Hope → 37.

2b. Sanah is incorrect. 47 is more than 42.

3b. A. 34 is less than 37; C. 31 is less than 32.

Expected

4b. Frank → 25; Lydia → 40.

5b. Kya is correct. 39 is three less than 42.

6b. A. 33 ≤ 41; C. 31 ≤ 32; D. 24 ≥ 19

Greater Depth

7b. 39

8b. Ruby is incorrect. 39 is less than 45, but 39 is less than 4 tens.

9b. A. 31 ≥ 25 > 21; C. 50 > 19 ≤ 40; D. 26 < 36 ≤ 46

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