

Reasoning and Problem Solving

1. How many different numbers can go in the box?

$$13 < \square < 20$$

2. True or False: One ten and twelve ones is bigger than two tens. Explain how you know.

3. If you ordered the numbers below which would be 4th. Explain how you ordered them.

33

53

37

29

34

43

4. Can you spot the mistake in this sequence? Explain how you know.

80, 75, 70, 60

5. Fill in the missing numbers using 1, 2, 4 and 7.

	<	<	8
^		v	v
5	<	6	>
v		^	v
	<	9	>

6. Bill has written a list of 2 digit numbers. The digits of each number must add up to 5. None of the digits are 0. Can you find all the numbers Bill could have written? Write them out from smallest to largest.

7. Use these symbols to compare these numbers. < > =

3 tens and 2 ones 2 tens and 12 ones

4 tens and 3 ones 3 tens and 14 ones

5 tens and 4 ones 4 tens and 11 ones