

Compare two numbers using =, ≠, <, >

1 Complete the statements using the correct phrase.

is greater than

is equal to

is not equal to

is less than

a) $502 > 52$

502 is greater than 52

52 is less than 502

b) $30,099 < 90,003$

30,099 is less than 90,003

90,003 is greater than 30,099

c) $76,590 \neq 75,609$

76,590 is not equal to 75,609

75,609 is not equal to 76,590

2 Write < or > to complete the statements.

a) 978 < 1,111

e) 500,070 > 70,005

b) 3,500 m > 3,000 m

f) 7,000 < Seventy thousand

c) 945 > 799

g) 3.1 million > 3,000,000

d) £50,000 > £9,000

h) 20,003 g < 20,030 kg

3 Tick the greatest number in each pair.

a)

HM	TM	M	HTh	TTh	Th	H	T	O
	●● ●●	●● ●●	●● ●●	●● ●●	●● ●●	●	●● ●●	●● ●

HM	TM	M	HTh	TTh	Th	H	T	O
●	●	●	●					

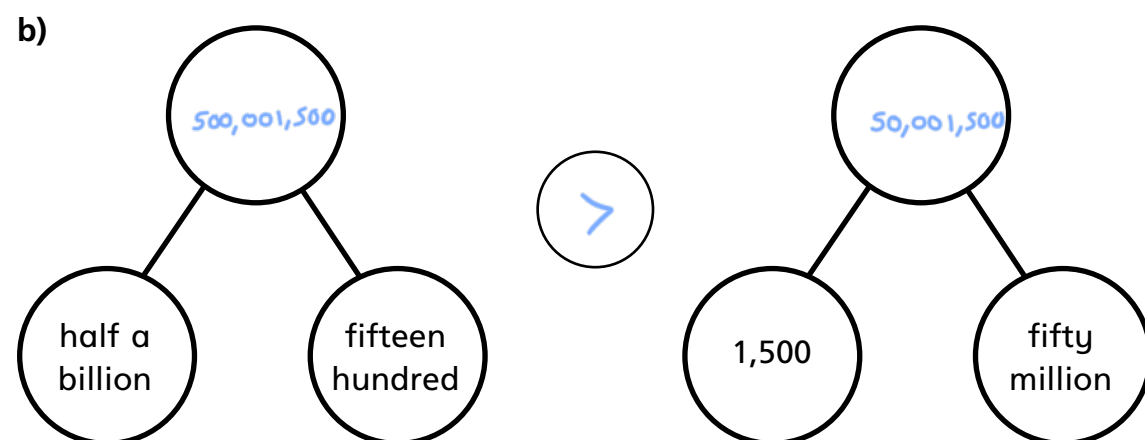
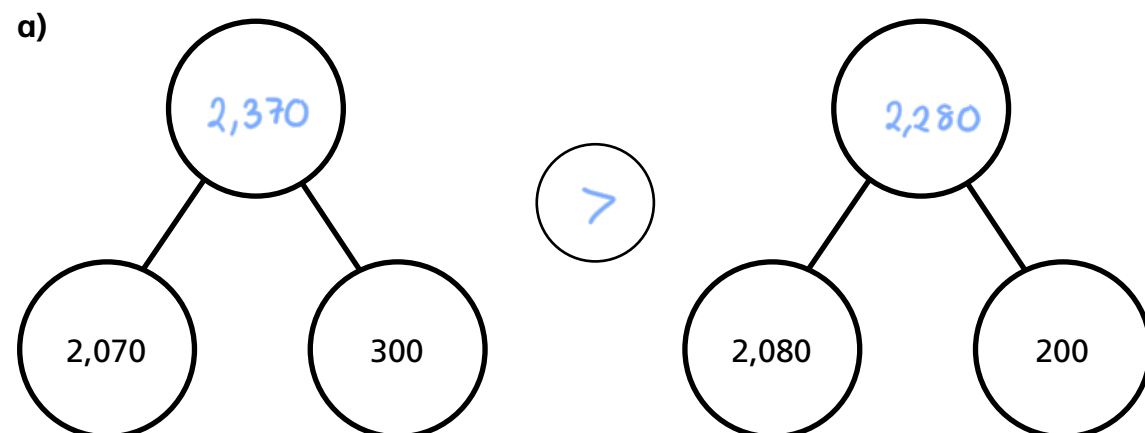
b)

HM	TM	M	HTh	TTh	Th	H	T	O
●● ●●	●● ●●	●● ●● ●●	●● ●●					●● ●●

HM	TM	M	HTh	TTh	Th	H	T	O
●● ●●	●● ●●	●● ●● ●●	●● ●● ●					

- 4 Write = or \neq to complete the statements.
- a) eight hundred and twenty million \neq 82,000,000
- b) 400,000 = four hundred thousand
- c) 50,000,000 \neq half a billion
- d) seven million and six thousand \neq 706,000

- 5 Complete the part-whole models and write $<$, $>$ or $=$ to complete the statements.



- 6 Fill in the missing digits to make the statements correct.

Give 2 possible answers for each one.

- a) $7, \underline{1} 35 < 7,42 \underline{0}$ $7, \underline{3} 35 < 7,42 \underline{9}$
- b) $97 \underline{9} > 9 \underline{7} 8$ $97 \underline{0} > 9 \underline{6} 8$
- c) $3,8 \underline{7} 9 < 3, \underline{9} 76$ $3,8 \underline{1} 9 < 3, \underline{9} 76$

- 7 Write five numbers that are less than 50,200 but greater than 50,180

E.g. 50,181 50,190 50,193 50,197 50,199

- 8 Look at these inequality statements.

$$A < B$$

$$B < C$$

Which of the statements below are true and which are false?

Give a reason for each of your answers.

- a) $A < C$

True. If A is less than B and B is less than C then A must be less than C.

- b) A could be equal to B

False. A is strictly less than B

- c) B lies between A and C

True. A is less than B and B is less than C so B lies somewhere between A and C.

- 9 The digits 0 to 9 are each used once in this statement.

There are 5 missing digits.

E.g. $48 \underline{0} \underline{1} 9 < \underline{5} 6 \underline{2} 7 \underline{3}$

How many different solutions can you find?