Mathematics Assessment: NUMBER - Number and place value

Name .... Class .... Date ....

1 Write the following numbers in words. For example, **68,462** would be 'sixty eight thousand, four hundred and sixty two'.

a 3749 ....

....

b 72,283 ....

....

c 683,509 ....

....

d 9,327,000 ....

....

2 marks

2 Put the following numbers in order of size, starting with the smallest.

a   2347   2768   2124   2986

smallest   **largest**

Page Total

b)

746,924   745,429   764,249

smallest   largest

c)

2,946,135   2,946,153   2,964,135

	smallest

	largest

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3 Look at the number **2,786,493**.

a) What is the value of the digit **4**?

b) What is the value of the digit **7**?

c) What is the value of the digit **8**?

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4 In the number **864.325**, what does the digit **2** represent?

Circle your answer.

tenths   hundreds   hundredths   thousandths

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5 Round the following numbers to the nearest **1000**.

a 696 ⟶ ▢   **b** 5499 ⟶ ▢

6 Round the following numbers to the nearest **10,000**.

a 61,426 ⟶ ▢   **b** 628,462 ⟶ ▢

7 Round the following numbers to the nearest **1,000,000**.

a 6,937,246 ⟶ ▢

b 36,976,899 ⟶ ▢

8 Calculate the difference (across zero) between the pairs of numbers below.

a -6 and +8   difference = ▢

b +32 and -7   difference = ▢

c -92 and +43   difference = ▢

Page Total ⬤

9 On Mercury, the temperature drops at a rate of **12°C** per hour.

If the temperature starts at **+17°C**, what would the temperature be after **6** hours?

°C

Use this box if you need to do any working out.

2 marks

10 Basha's target for throwing the rounders ball was **27** metres. She recorded each of her **6** attempts above and below her target as follows.

| -4m | +6m | +2m | 0m | -5m | +1m |

What was the difference between her longest and shortest throw?

m

2 marks

Page Total

11 Nisha worked out that she would need exactly **4672** beads to make necklaces and bracelets for all of her friends.

The craft shop sold beads in packets of **1000** and in packets of **100**.

How many packets of each would Nisha need to buy?

☐ packets of 1000   ☐ packets of 100

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12 Kofi wants to estimate the answer to the calculation **18,625 - 9486**.

Circle the best estimate.

18,600 - 9500   18,500 - 9600   18,400 - 9500

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13 Tick the box below which contains the smaller number.

Tick (✓) | 999.99 | or | 1000.01 |

So many nines and zeros - that's tough!
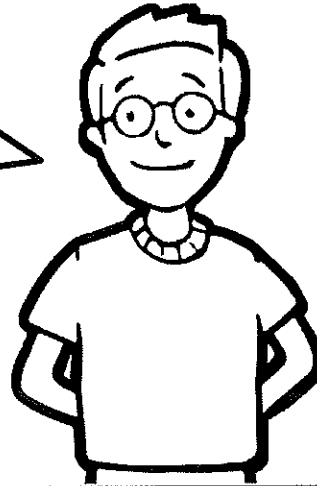
Explain how you know in the box below.

14 Look at these digits; **9,4,1,7,2,3**

Make the **smallest** number you can, by rearranging the digits.

Write your number in the box.

Y6: npv-C
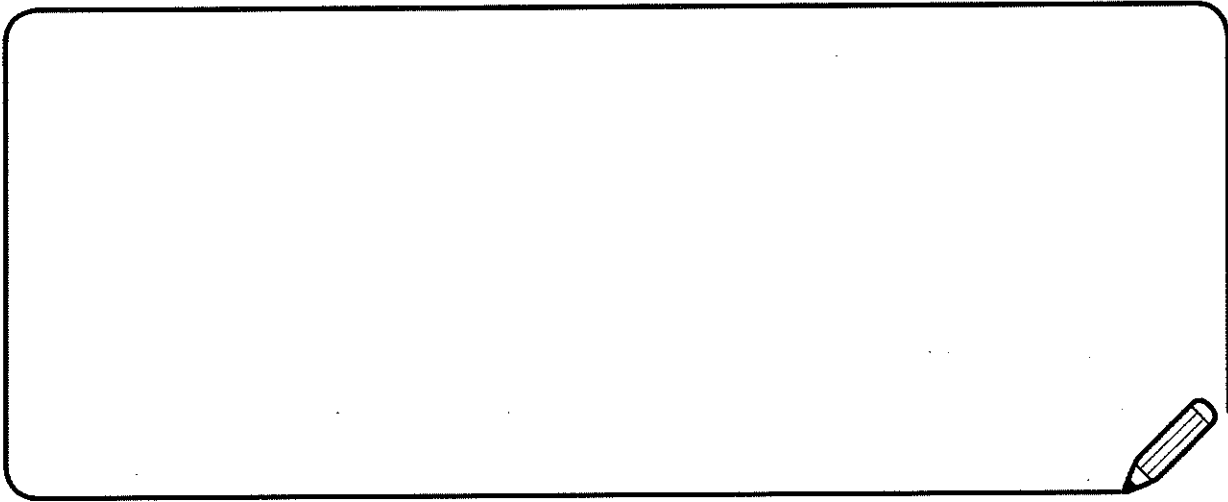
Page Total

15 Jina wanted to write down the number, 'four hundred and nine thousand, two hundred and sixty five'.

She wrote down this number:

490,265

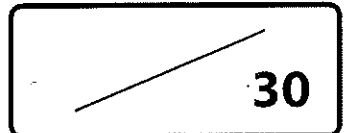Explain her mistake in the box below.

End of Test

Page Total

TEST TOTAL

/ 30

PERCENTAGE SCORE

%

Y6: npv-C