Worksheet - Place value to 1000

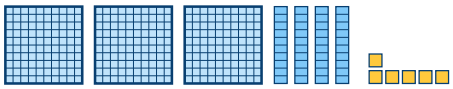
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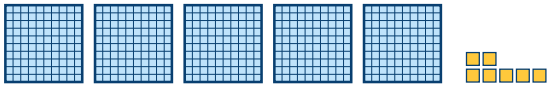
Show your working.

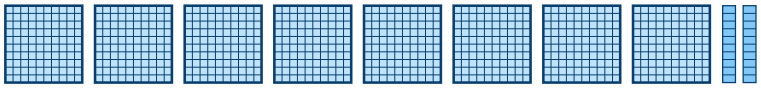
Question 1

Question 1 – Hundreds, tens and ones *(Section A · Practice)*

Write each number shown by the base ten blocks. Then write it in words.

a.  Number and words

b.  Number and words

c.  Number and words

Question 2

Question 2 – Value of the digit *(Section A · Practice)*

Write the value of the digit named in each part.

a. The first digit of 472
b. The second digit of 605
c. The second digit of 380
d. The third digit of 919

Question 3

Question 3 – Partition the number *(Section A · Practice)*

Partition each number into hundreds, tens and ones. For example, 582 = 500 + 80 + 2.

a. 736
b. 490
c. 208
d. 555

Question 4

Question 4 – Writing numbers in words *(Section A · Practice)*

Write each number in words or in digits.

a. 234
b. 560
c. 807
d. four hundred and sixteen
e. seven hundred and ninety

Question 5

Question 5 – 10 more, 10 less *(Section A · Practice)*

Write the number that is 10 more and the number that is 10 less.

a. 346
b. 590
c. 205
d. 700
e. 611

Question 6

Question 6 – 100 more, 100 less *(Section A · Practice)*

Fill in the missing numbers.

a. 100 more than 235
b. 100 less than 678
c. 100 more than 450
d. 100 less than 902
e. 100 more than 899

Question 7

Question 7 – The school tuck shop *(Section B · Real-life practice)*

Mrs Patel packs sweets for the tuck shop. She puts 100 sweets in each big bag, 10 in each small tub and the rest are loose. She has 4 big bags, 7 tubs and 5 loose sweets.

a. How many sweets does she have in total?
b. Write the number in words.
c. She unpacks one big bag into tubs. How many tubs of 10 does that make?
d. Now she has 3 big bags and 17 tubs and 5 loose sweets. Does she still have 475 sweets? Explain.

Question 8

Question 8 – Library books *(Section B · Real-life practice)*

The town library has a shelf for each type of book. The table shows how many books are on each shelf.

Shelf	Number of books
Adventure	428
Animals	309
Space	482

a. Which shelf has the most books?
b. Which shelf has the fewest books?
c. Write the three numbers in order, smallest first.
d. The library gets 100 new Animal books. How many Animal books are there now?

Question 9

Question 9 – Stadium tickets *(Section B · Real-life practice)*

A football club sells tickets for three stands. The tickets sold are shown in the table.

Stand	Tickets sold
North	650
South	?
East	?

a. How many tickets did the North stand sell? Write the number in words.
b. The South stand sold 10 more tickets than the North stand. How many?
c. The East stand sold 100 fewer tickets than the North stand. How many?
d. Put North, South and East in order, biggest first.

Question 10

Question 10 – Counting steps *(Section B · Real-life practice)*

Zara walks up the tower stairs and counts in 50s on every landing. Her brother Noah counts in 100s on the same landings.

a. Zara says 50, 100, 150, 200, ... Write the next four numbers she says.
b. Noah starts at 0. What is his fifth number?
c. At which number do they say the same number for the first time after 0?
d. Zara counts in 50s to 1000. How many numbers does she say after 0?

Question 11

Question 11 – Pocket money jar *(Section B · Real-life practice)*

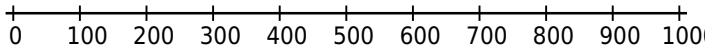
Ben saves 4p coins in a jar and counts them in 4s. His sister counts her coins in 8s.

a. Ben has 9 coins of 4p. Count in 4s to find the total.
b. His sister has 6 coins of 8p. Count in 8s.
c. Who has more money?
d. How much more?

Question 12

Question 12 – The number line at the bus stop *(Section B · Real-life practice)*

The number line shows the bus stop numbers from 0 to 1000 in steps of 100.



a. Which hundreds does the red dot lie between?
b. The dot is at 740. Is it closer to 700 or 800?
c. Estimate where 470 would go.

Question 13

Question 13 – Packing cakes *(Section B · Real-life practice)*

A baker packs cupcakes in boxes of 10 and trays of 100. A customer orders 3 trays, 2 boxes and 8 single cakes.

a. How many cupcakes does the customer order?
b. The baker has only trays and boxes. She uses 3 trays and 3 boxes. How many cakes is that?
c. Is 328 closer to 300 or 400?
d. Write 328 in words.

Question 14

Question 14 – Which is bigger? *(Section B · Real-life practice)*

Compare each pair. Write <, > or = in the gap.

a. 345 __ 354
b. 609 __ 690
c. 782 __ 728
d. 555 __ 555
e. 399 __ 401

Question 15

Question 15 – Problem: the number riddles *(Section C · Problem solving)*

Four friends each think of a 3-digit number. Use the clues to find each number.

a. Mia: "I have 6 hundreds, no tens and an odd digit in the ones place. My number is less than 603."
b. Leo: "My digits are all the same. The sum of my digits is 15."
c. Aisha: "I am 10 more than 289."
d. Sam: "I am 100 less than 1000."

Question 16

Question 16 – Problem: the arcade tokens *(Section C · Problem solving)*

At the seaside arcade, children win paper tokens. Tokens are put in packs of 100, strings of 10 and single tokens. The table shows what four children won.

Child	Packs of 100	Strings of 10	Single
Amy	2	9	3
Ben	3	0	8
Cara	2	10	0
Dev	3	0	0

a. Work out the total number of tokens each child won.
b. Who won the most? Explain how you know.
c. Cara says "I won the same as Dev." Is she right?
d. Put all four totals in order, smallest first.

Question 17

Question 17 – Problem: the mountain railway *(Section C · Problem solving)*

A mountain railway carries walkers up to the top station. The heights of the five stations above sea level are shown in the table.

Station	Height (m)
Valley	180
Lake	530
Bridge	305
Forest	590
Top	960

a. Which station is the highest and which is the lowest?
b. Put all five heights in order, lowest first.
c. The train climbs 100 metres from Lake station. What height does it reach?
d. A walker says "590 is closer to 600 than to 500." Is she right? Explain.

Question 18

Question 18 – Problem: choose the digits *(Section C · Problem solving)*

Mr Evans writes the digits 2, 5 and 9 on cards. He asks the class to make 3-digit numbers using each card once.

a. Write down all six numbers you can make.
b. Which is the biggest? Which is the smallest?
c. How much bigger is the biggest than the smallest?
d. Which of your numbers is closest to 500?

Question 19

Question 19 – Problem: the fair prize jar *(Section C · Problem solving)*

At the school fair, Priya guesses how many marbles are in a jar. The jar holds 427 marbles.

a. Priya guesses 400 and Tom guesses 450. Whose guess is closer?
b. Ali guesses 10 more than 427. What is his guess?
c. Sara guesses 100 less than 427. What is her guess?
d. Put the guesses 400, 450, 437 and 327 in order, smallest first.

Question 20

Question 20 – Challenge: the secret code *(Section D · Challenge)*

A padlock has a 3-digit code. Use the clues to crack it.

- The hundreds digit is 4 more than the ones digit.
- The tens digit is 0.
- The digits add up to 10.

Find the code. Is there more than one possible code? Explain how you know.