Worksheet - Numbers to 100 and place value

Year: Year 1 · 20

Show your working.

Question 1

Question 1 – Tens and ones *(Section A · Practice)*

Write how many tens and how many ones.

a. 23
b. 48
c. 60
d. 75
e. 91

Question 2

Question 2 – Make the number *(Section A · Practice)*

Write the number.

a. 4 tens and 6 ones
b. 7 tens and 0 ones
c. 2 tens and 9 ones
d. 50 + 3
e. 80 + 8

Question 3

Question 3 – Number words *(Section A · Practice)*

Write each number in words.

a. 13
b. 27
c. 45
d. 68
e. 90

Question 4

Question 4 – Ten more, ten less *(Section A · Practice)*

Write the answer. A hundred square can help you.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

a. 10 more than 24
b. 10 more than 58
c. 10 less than 47
d. 10 less than 90
e. 1 more than 39

Question 5

Question 5 – Counting in steps *(Section A · Practice)*

Write the missing numbers.

a. Count in 2s: 2, 4, __, 8, 10, __
b. Count in 5s: 5, 10, __, 20, __, 30
c. Count in 10s: 10, __, 30, 40, __, 60
d. Count in 2s: 12, 14, 16, __, 20
e. Count in 10s backwards: 100, 90, __, 70

Question 6

Question 6 – Compare with signs *(Section A · Practice)*

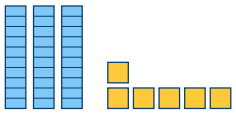
Write >, < or = in each box.

a. 35 ... 53
b. 72 ... 27
c. 48 ... 48
d. 60 ... 59
e. 14 ... 41

Question 7

Question 7 – Eggs at the farm *(Section B · Real-life practice)*

Ruby helps on a farm. Eggs go into boxes. Each full box holds 10 eggs. Today Ruby fills 3 full boxes and she has 6 eggs left over.



a. How many eggs are in the 3 full boxes?
b. How many eggs are there altogether?
c. Write the number in words.
d. Tomorrow Ruby gets 10 more eggs. How many eggs will there be?

Question 8

Question 8 – Buying sweets *(Section B · Real-life practice)*

A sweet shop sells sweets in bags of 10. Max buys 4 bags. His sister Lily buys 2 bags and 5 loose sweets.

a. How many sweets does Max have? Count in tens.
b. How many sweets does Lily have?
c. Who has more sweets? Use > or <.
d. Max gives Lily 10 sweets. How many sweets does Lily have now?

Question 9

Question 9 – School lunch *(Section B · Real-life practice)*

There are 56 children in the lunch hall. 10 more children come in from the playground.

a. How many tens and ones are in 56?
b. How many children are in the hall now?
c. Write that number in words.
d. Then 20 children leave. How many are left in the hall?

Question 10

Question 10 – Counting stickers by fives *(Section B · Real-life practice)*

Anya has a sticker sheet. The stickers are in groups of 5. She has 6 groups.



a. Count in 5s. Write each number you say.
b. How many stickers are there in all?
c. She gets one more group of 5. How many stickers now?
d. Does Anya have more or fewer than 30 stickers now?

Question 11

Question 11 – Swimming lengths *(Section B · Real-life practice)*

Three children swim lengths at the pool. Sam swims 24 lengths. Meg swims 42 lengths. Ali swims 29 lengths.

Name	Lengths
Sam	24
Meg	42
Ali	29

a. Who swims the most lengths?
b. Put the numbers in order, smallest first.
c. Ali swims 10 more lengths. How many has he swum in all?
d. Is that more or fewer than Sam?

Question 12

Question 12 – Pages in a book *(Section B · Real-life practice)*

Jo reads a storybook with 80 pages. She has read 50 pages. Her brother Dev reads a book with 100 pages and he has read 70 pages.

a. How many tens are in 50? How many tens are in 80?
b. Who has read more pages?
c. Count on in tens from 50 to 80. How many tens more does Jo need?
d. Dev needs to read 3 more tens to finish. How many pages is that?

Question 13

Question 13 – The toy train *(Section B · Real-life practice)*

A toy train has carriages that each hold 2 toy animals. There are 8 carriages.



a. Count in 2s. Write the numbers.
b. How many animals are on the train?
c. Two carriages are taken off. How many animals are left?
d. Write the number of animals now in words.

Question 14

Question 14 – The hundred square puzzle *(Section C · Problem solving)*

Part of a hundred square has fallen on the floor. Three squares are covered. Use what you know about rows to fill them in.

Column 1	Column 2	Column 3	Column 4
33	34	A	36

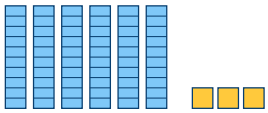
Column 1	Column 2	Column 3	Column 4
43	B	45	46
53	54	55	C

a. What number is A?
b. What number is B?
c. What number is C?
d. What number is in the square directly below 55?
e. What number is directly above 34?

Question 15

Question 15 – Pocket of buttons *(Section C · Problem solving)*

Hana has 63 buttons. She sorts them into piles of ten and loose buttons. Her friend Eli has 6 piles of ten and 8 loose buttons. They want to find out who has more buttons.

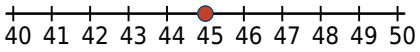


a. How many piles of ten and how many loose buttons does Hana have?
b. How many buttons does Eli have?
c. Who has more buttons? Use < or > to show how you know.
d. How many more buttons does Eli need to make 70?

Question 16

Question 16 – Savings in the jar *(Section C · Problem solving)*

Zak counts how many days he has put a coin in his jar. He says "I have done 45 days." His mum says "That is more than 40 and fewer than 50." Then Zak says he will keep going until the number reaches 100.



a. Is Zak's mum right? Use the number line to explain.
b. Count on in tens from 45. Write the numbers up to 95.
c. How many tens did you count on in part (b)?
d. On day 100 he puts in the last coin. Write 100 in words.

Question 17

Question 17 – Counting in twos and fives *(Section C · Problem solving)*

Dina counts the gloves in a basket. There are 7 pairs of gloves. She also counts the fingers on the hands of 6 children. A pair is 2 gloves. A hand has 5 fingers.



a. Count the gloves in 2s. How many gloves are there?
b. Count the fingers on 6 hands in 5s. How many fingers are there?
c. Which number is bigger, the number of gloves or the number of fingers?
d. How many more fingers than gloves?

Question 18

Question 18 – Bus tickets *(Section C · Problem solving)*

A bus has seats in rows. There are 9 rows with 10 seats in each row on a big bus. On a small bus there are 4 rows with 10 seats in each row.

a. How many seats are on the big bus? Count in tens.
b. How many seats are on the small bus?
c. Which bus has more seats? Write > or <.
d. The big bus needs one more row to have 100 seats. Is that right? Explain.

Question 19

Question 19 – Challenge: two digit cards *(Section D · Challenge)*

You have the digit cards 3, 7 and 5. You use two cards each time to make a two-digit number.

a. Make the biggest number you can.
b. Make the smallest number you can.
c. Make a number that is bigger than 50 but smaller than 60.
d. Which of these has the digit 5 worth 50: 35, 53, 57, 75?

Question 20

Question 20 – Challenge: the number riddle *(Section D · Challenge)*

Find each number. Say how you know.

a. I have 6 tens and 7 ones. What am I?
b. I am between 40 and 50. My two digits are the same. What am I?
c. Count in 10s. I am the fifth number you say. What am I?
d. I am 10 less than 100. What am I? Write me in words.