



**THIRD SPACE
LEARNING**

Word Problems

11 number and base 10
questions to develop reasoning
and problem solving skills

Grade 2

Questions

Name:

Date:

- 1 A farmer has some apple trees. The first tree has 24 apples. The second tree has 10 more. The third tree has 36 apples. How many apples are on the three trees?

Answer

2 Lola wrote the number words:

six hundred and fifty-four

two hundred and seventy-six

three hundred and sixty-seven

seven hundred and three

nine hundred and forty-five

Help Lola complete the table below, showing the number words with their digits in the right place values.

Be careful, the order of the written numbers is not the same as the numbers in the table.

Hundreds	Tens	Ones
	6	
9		
	0	
		4

3 Falla and Otto are counting their seashells.

Falla is at 105 and skip-counting by 5s. Show the next 4 numbers Falla will count.

105

Otto is at 98 and decides to start skip-counting by 10. Show the next for numbers Otto will count.

98

- 4 The table shows how many animals are adopted each week.

Week 1	106
Week 2	78
Week 3	97

How many animals were adopted in total?

Answer

- 5 A school has 432 students. On Monday, 57 of the students were absent.
How many students were at the school on Monday?

Answer

- 6 Place the number 320 in the correct place on each of the number lines below.

0 ————— 350

250 ————— 350

300 ————— 350

310 ————— 350

- 7 Complete the table below by finding 100 more and 100 less than the actual number.

100 less	Actual Number	100 more
		521
822		
	479	
603		
		578
	299	

- 8 Using the cards below, make two 3-digit numbers, then compare them with the symbol $<$ or $>$.

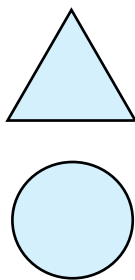


- 9 These calculations all have shapes instead of numbers.
If the star represents 16, work out what numbers the other shapes represent.

$$\bigcirc + \bigcirc + \bigcirc + \bigcirc = \star$$

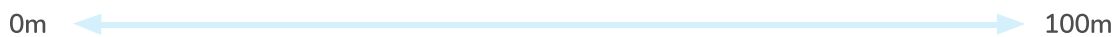
$$\triangle + \triangle = \star$$

Answer



- 10 Sara is counting the number of flowers she sees when walking 100m.

Using the clues, label about where each flower is on the number line.



- The first flower is 10m more than Sara's starting point.
- The second flower is 20m more than Sara's starting point.
- The fifth flower is halfway between the starting point and the end.
- The ninth flower is 10m less than the end.

Challenge Question!

Ariel likes to collect the different types of seashells. She keeps track of the shells she collects on the chart below.

Shell Type	Amount
olive shell	24
conch	42
sand dollar	38
slipper shell	63

- a Write and solve an equation showing the total number of shells she collected.

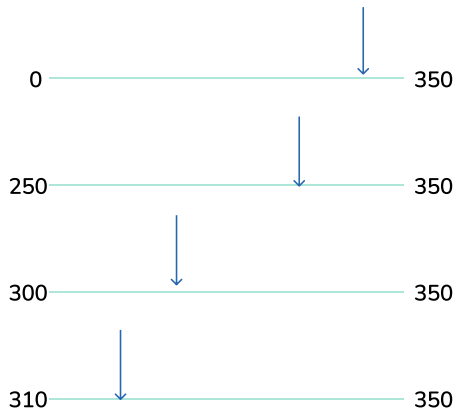
Answers

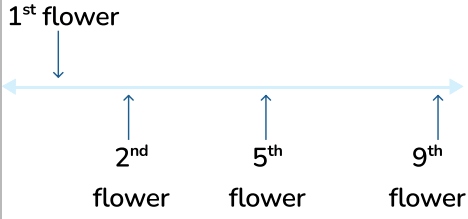
- b If she breaks one of the sand dollars and finds 8 more slipper shells, how does the total number of shells that she has change?

Answers

Answers

Question number	Question	Answers	Standard
1	A farmer has some apple trees. The first tree has 24 apples. The second tree has 10 more. The third tree has 36 apples. How many apples are on the three trees?	$24 + 34 + 36 = 94$ *solved using place value strategies or properties of operations	2.OA.A.1 2.NBT.B.6
2	Help Lola complete the table below, showing the number words with their digits in the right place values.	367 276 945 703 654	2.NBT.A.1 2.NBT.A.3
3	Falla and Otto are counting their seashells. Falla is at 105 and skip-counting by 5s. Show the next 4 numbers Falla will count. 105, ?, ?, ?, ? Otto is at 98 and decides to start skip-counting by 10. Show the next four numbers Otto will count. 98, ?, ?, ?, ?	Falla: 105, 110, 115, 120, 125 Otto: 98, 108, 118, 128, 138	2.NBT.A.2
4	The table shows how many animals are adopted each week. (see diagram) How many animals were adopted in total?	$106 + 78 + 97 = 281$ *solved using models, place value strategies, or properties of operations	2.NBT.B.7
5	A school has 432 students. On Monday, 57 of the students were absent. How many students were at the school on Monday?	$432 - 57 = 375$ *solved using models, place value strategies, or properties of operations	2.NBT.B.7

Question number	Question	Answers	Standard
6	Place the number 320 on each of the number lines below: (see diagram)	The number 320 should be placed on the number line in roughly the following places: 	2.NBT.A.4
7	Complete the table below by finding 100 more and 100 less than the actual number.	Row 1: 321, 421, 521 Row 2: 822, 922, 1,022 Row 3: 379, 479, 579 Row 4: 603, 703, 803 Row 5: 378, 478, 578 Row 6: 199, 299, 399	2.NBT.B.8
8	Using the cards below, make two 3-digit numbers, then compare them with the symbol < or >.	Any correct number sentences using 3 of the 4 digit cards 6, 4, 0, 7 to make two 3 digit numbers.	2.NBT.A.1 2.NBT.A.4
9	These calculations all have shapes instead of numbers. If the star represents 16, work out what numbers the other shapes represent. (see diagram)	$\Delta = 8$ $O = 4$	2NBT.B.5

Question number	Question	Answers	Standard
10	Sara is counting the number of flowers she sees when walking 100m. Using the clues, label about where each flower is on the number line.	The flower should be placed on the number line in roughly the following places: 	2.NBT.B.5
Challenge Question	Ariel likes to collect the different types of seashells. She keeps track of the shells she collects on the chart below. (see diagram) a) Write and solve an equation showing the total number of shells she collected. b) If she breaks one of the sand dollars and finds 8 more slipper shells. How does the total number of shells that she has change?	a) $24 + 42 + 38 + 63 =$ total 167 shells b) Breaking 1 sand dollar: $167 - 1 = 166$ Finding 8 more slipper shells: $166 + 8 = 174$ She had 167 shells and now she has 174. $167 + 7 = 174$ (she has 7 more shells) *solved using models, place value strategies, or properties of operations	2.OA.A.1 2.NBT.B.6

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