



**THIRD SPACE  
LEARNING**

# Word Problems

11 addition and subtraction  
questions to develop reasoning  
and problem solving skills

**Grade 2**

## Questions

Name: .....

Date: .....

- 1 Fill in the table to complete the sums. Start from the first number each time.

Start Number	Add 4	Add 40	Add 400
34	$34 + 4 = 38$	$34 + 40 = 74$	$34 + 400 = 434$
71			
123			

- 2 Look at the completed equations. Decide if they are correct. If not, show the correct answer.

Calculation	Is it correct?	Correct answer
$45 - 5 = 41$	No	$45 - 5 = 40$
$555 - 355 = 100$		
$910 - 20 = 900$		

- 3 Look at the six strips of paper below.  
Which two have a total sum of 35cm?

A = 12cm in length

B = 23cm in length

C = 17cm in length

D = 18cm in length

E = 15cm in length

F = 10cm in length

- 4 Dora has 85¢ to spend.

Item	Price
Pencil	1 dime
Pen	3 nickels
Marker	1 quarter
Highlighter	30 pennies

How much money will Dora have left if she buys 1 of each item?

Answer

- 5 Charlotte has 24 stickers. Her friend gives her 47 more stickers. Then Charlotte uses 18 stickers to make a card for her sister. How many stickers does Charlotte have left? Use drawings and equations to show your thinking.

Answer

6 Can you find a missing number to make the calculations below correct?

a  $12 + 14 < 50 - \boxed{\phantom{00}}$

b  $60 + \boxed{\phantom{00}} = 100 - 5$

c  $\boxed{\phantom{00}} - 15 > 10 + 20$

7 Dan goes swimming every day for 7 days. Each day Dan swims 5 more laps than he did the day before.

Use the table below to show how many laps Dan swims.

Day	Laps swam	Equation
1	30	
2		
3		
4		
5		
6		
7		
Total		

- 8 Pedro has eight of the following coins in his hand which make the exact amount of \$1.11.



What coins could he have in his hand?

Answer

- 9 There were 63 apples on a tree. Eight squirrels ate 11 apples and 15 apples fell on the ground. How many apples are left in the tree?  
Use drawings and equations to show your thinking.

Answer

- 10 Samrath needs to make 100g. He has ten of each 10g, 20g, 50g and 100g weights.

Show 5 different ways Samrath can make 100g with the weights he has.

*Example*

$$1 \times 100\text{g} = 100\text{g}$$

*Answer 1*

*Answer 2*

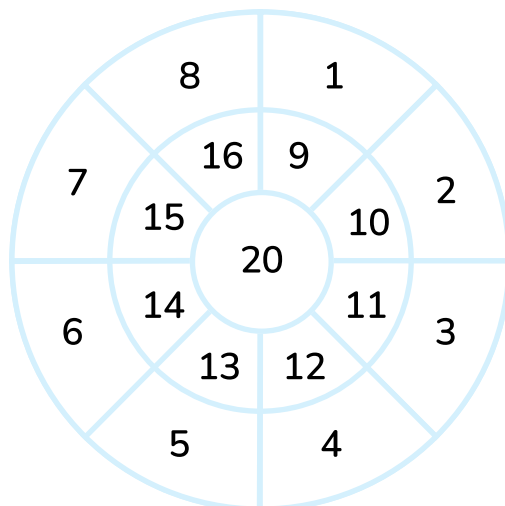
*Answer 3*

*Answer 4*

*Answer 5*

## Challenge Question!

Gianna has a circle with some of the numbers from 1 to 20 on it, like the one shown below.



She has three bean bags to throw onto the circle.

Whatever numbers her beanbags land on, she adds together.

A beanbag cannot land on the same number twice.

- What is the largest number she can make with the three beanbags?
- What is the smallest number she can make with the three beanbags?
- If Gianna can only use odd numbers, what is the smallest number she can make?
- If Gianna can only use even numbers, what is the largest number she can make?

## Answers

Question number	Question	Answers	Standard
1	Fill in the table to complete the sums. Start from the first number each time.	a) $71 + 4 = 75$ $71 + 40 = 111$ $71 + 400 = 471$ b) $123 + 4 = 127$ $123 + 40 = 163$ $123 + 400 = 523$	2.NBT.5 2.NBT.6 2.NBT.7
2	Look at the completed equations. Decide if they are correct. If not, show the correct answer.	Both are incorrect $555 - 355 = 200$ $910 - 20 = 890$	2.NBT.7
3	Look at the six strips of paper below. Which two have a total sum of 35cm?	A and B = 35cm (12cm and 23cm) OR C and D = 35cm (17cm and 18cm) *Solved with strategies based on place value, properties of operations and/or models	2.NBT.5 2.MD.5
4	Dora has 85¢ to spend. How much money will Dora have left if she buys 1 of each item?	$10¢ + 15¢ + 25¢ + 30¢ = 80¢$ $85¢ - 80¢ = 5¢$ *Solved with strategies based on place value, properties of operations and/or models	2.MD.8



## Word Problems | Grade 2 | Addition and Subtraction

Question number	Question	Answers	Standard
5	Charlotte has 24 stickers. Her friend gives her 47 more stickers. Then Charlotte uses 18 stickers to make a card for her sister. How many stickers does Charlotte have left? Use drawings and equations to show your thinking.	$24 + 47 - 18 = 53$ stickers *Solved with strategies based on place value, properties of operations and/or models	2.OA.1
6	Can you find a missing number to make the calculations below correct? a) $12 + 14 < 50 - ?$ b) $60 + ? = 100 - 5$ c) $? - 15 > 10 + 20$	a) Any number less than 24. b) 35 c) Any number more than 46.	2.NBT.4 2.NBT.5
7	Dan goes swimming every day for 7 days. Each day Dan swims 5 more laps than he did the day before. Use the table below to show how many laps Dan swims.	Day 1: 30 laps (30) Day 2: 35 laps (30 + 5) Day 3: 40 laps (35 + 5) Day 4: 45 laps (40 + 5) Day 5: 50 laps (45 + 5) Day 6: 55 laps (50 + 5) Day 7: 60 laps (55 + 5) Total: 315 laps	2.NBT.2
8	Pedro has eight of the following coins in his hand which make the exact amount of \$1.11. (see diagram) What coins could he have in his hand?	$3 \times 25\text{¢}$ $3 \times 10\text{¢}$ $1 \times 5\text{¢}$ $1 \times 1\text{¢}$ *Solved with strategies based on place value, properties of operations and/or models	2.MD.8

## Word Problems | Grade 2 | Addition and Subtraction




Question number	Question	Answers	Standard
9	There were 63 apples on a tree. Eight squirrels ate 11 apples and 15 apples fell on the ground. How many apples are left in the tree? Use drawings and equations to show your thinking.	$63 - 11 - 15 = 37$ apples *Solved with strategies based on place value, properties of operations and/or models	2.OA.1
10	Samrath needs to make 100g. He has ten of each 10g, 20g, 50g and 100g weights. Show 5 different ways Samrath can make 100g with the weights he has.	There are 9 different combinations: <ul style="list-style-type: none"> <li>• 1 x 100g</li> <li>• 2 x 50g</li> <li>• 2 x 20g, 1 x 10g, 1 x 50g</li> <li>• 3 x 10g, 1 x 20g, 1 x 50g</li> <li>• 5 x 10g, 1 x 50g</li> <li>• 6 x 10g, 2 x 20g</li> <li>• 4 x 10g, 3 x 20g</li> <li>• 2 x 10g, 4 x 20g</li> <li>• 10 x 10g</li> </ul>	2.NBT.5 2.MD.5
Challenge Question	a) What is the largest number he can make with the three beanbags? b) What is the smallest number he can make with the three beanbags? c) If David can only use odd numbers, what is the smallest number he can make? d) If David can only use even numbers, what is the largest number he can make?	a) $20 + 16 + 15 = 51$ b) $1 + 2 + 3 = 6$ c) $1 + 3 + 5 = 9$ d) $14 + 16 + 20 = 50$	2.OA.3 2.NBT.5

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