



**THIRD SPACE
LEARNING**

Word Problems

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

Grade 3

Questions

Name:

Date:

- 1 On Monday, there were 341 visitors at the art museum. On Tuesday, there were 109 more visitors than Monday. How many total visitors were at the art museum on Monday and Tuesday?

Answer

- 2 Isaac has two 3 digit numbers. Their difference is 135. What are two possible pairs of numbers that Isaac could have?

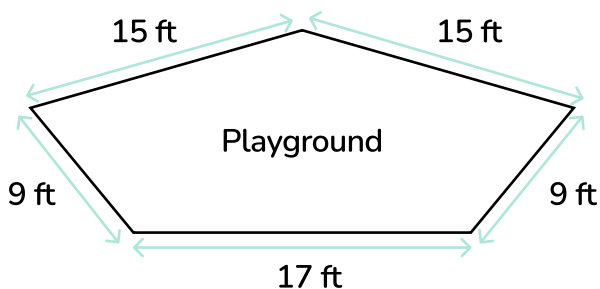
a

 -

b

 -

- 3 Teagan walks the perimeter of the playground. How far did Teagan walk?



Answer

- 4 Amari is growing a plant. He measures it each week and records the measurements in a table.

Week	1	2	3	4	5
Plant height (cm)	7	13	19	25	

If the pattern continues, how tall will Amari's plant be on Week 5?

Answer

- 5 Omar left his house for soccer practice. It is 15 minutes from his house to the practice field. His practice lasts 65 minutes. If he arrives home at 7:10pm, what time did he leave the house for practice?

Show your answer on the number line.



- 6 In the morning, a bakery has 43 gallons of milk. During the day they use 29 gallons. How many gallons are left at the end of the day?

Answer

- 7
- Michael needs to find a way through the maze.
- The only route he can go will give him exactly 1,000 at the end.
- He can only go to a box at the side of the one he is on or directly above or below it.
- He cannot move diagonally. Can you plot Michael's route through the maze?

start

95	155	90	200
95	55	500	50
85	1,000	155	5
150	150	65	200

finish

- 8
- The children in a class are measuring their height. Alison is 127cm tall. Eva is 36cm shorter than Alison. James is 18cm taller than Eva. How tall is James?

Answer

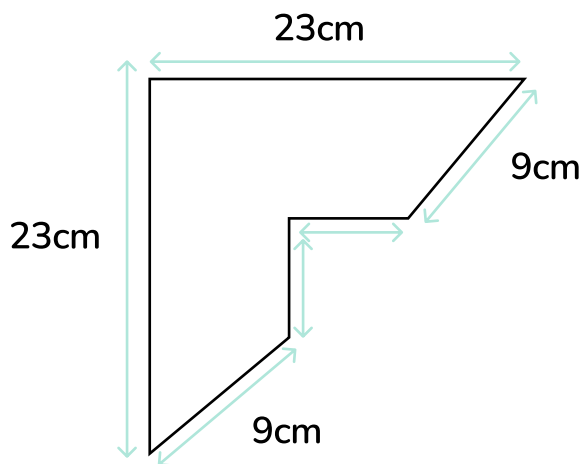
- 9 Maia wakes up at 7:04 am. It takes her 32 minutes to get ready. Then she has a 25 minute bus ride to work. It is an 11 minute walk from the bus stop to her office.

What time does Maia arrive at her office?

Show your answer on the number line.



- 10 Rocco is making a frame out of wood (shown below). He uses 76cm of wood for the perimeter. The two lengths missing are equal. What is the length of one missing side?



Not to scale

Answer

Challenge Question!

Ben has created some calculations, but he has used shapes in place of numbers. Help Ben work out what number each shape represents.

The same shape equals the same number, so  would be the same number for every calculation.

Each different shape represents a different number to the others.

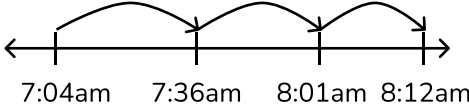
	+		+		=	400			
	-		=	60					
	+		=	190					
	+		+		-		=	200	






Answers

Question number	Question	Answers	Standard
1	How many total visitors were at the art museum on Monday and Tuesday?	$341 + 341 + 109 = 791$ visitors *Solved with strategies based on place value, properties of operations and/or models	3.OA.D.8 3.NBT.A.2
2	What are two possible pairs of numbers that Isaac could have?	Any two pairs of numbers with a difference of 135. *Solved with strategies based on place value, properties of operations and/or models	3.NBT.A.2
3	Teagan walks the perimeter of the playground. How far did Teagan walk?	$15 + 15 + 9 + 9 + 17 = 65$ ft	3.MD.D.8
4	If the pattern continues, how tall will Amari's plant be on Week 5?	31cm	3.OA.D.9
5	If he arrives home at 7:10pm, what time did he leave the house for practice?	5:35pm -15 mins (drive there) -65 mins (practice) -15 mins (drive home) 	3.MD.A.1
6	How many gallons are left at the end of the day?	$43 - 29 = 14$ gallons *Solved with strategies based on place value, properties of operations and/or models	3.MD.A.2

Question number	Question	Answers	Standard
7	Can you plot Michael's route through the maze?	95 to 95 to 55 to 500 to 50 to 5 to 200	3.NBT.A.2
8	How tall is James?	Alison is 127cm Eva is $127\text{cm} - 36\text{cm} = 91\text{cm}$ $91\text{cm} + 18\text{cm} = 109\text{cm}$ James is 109cm tall	3.OA.D.8
9	What time does Maia arrive at her office?	8:12am +32 mins (get ready) +25 mins (bus ride) +11 mins (walk there) 	3.MD.A.1
10	What is the length of one missing side?	6cm	3.MD.D.8
Challenge Question	Help Trinity work out what number each shape represents.	Triangle = 150 Circle = 100 Square = 40 Hexagon = 90	3.NBT.A.2

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- ✓ Differentiated instruction for each student
- ✓ Aligned to your state's standard
- ✓ Scaffolded learning to close gaps

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