WORKSHEET TITLE	Beautiful Geometry Session Worksheet
TOPICS	Area Calculations, Pythagoras, Shortest Path
GRADES	3 to 5
TYPE	CORE
RELEASE DATE	6 April 2020

NOTES ON TYPES OF WORKSHEETS

CORE: The aim of CORE worksheets is to help students achieve conceptual clarity through questions that require them to apply the concepts.

DRILL: The aim of DRILL worksheets is to help students improve mental abilities through practice.

CHALLENGE: The aim of CHALLENGE worksheets is to challenge students to solve problems by combining one or more concepts, applying them innovatively and using out-of-the-box thinking.

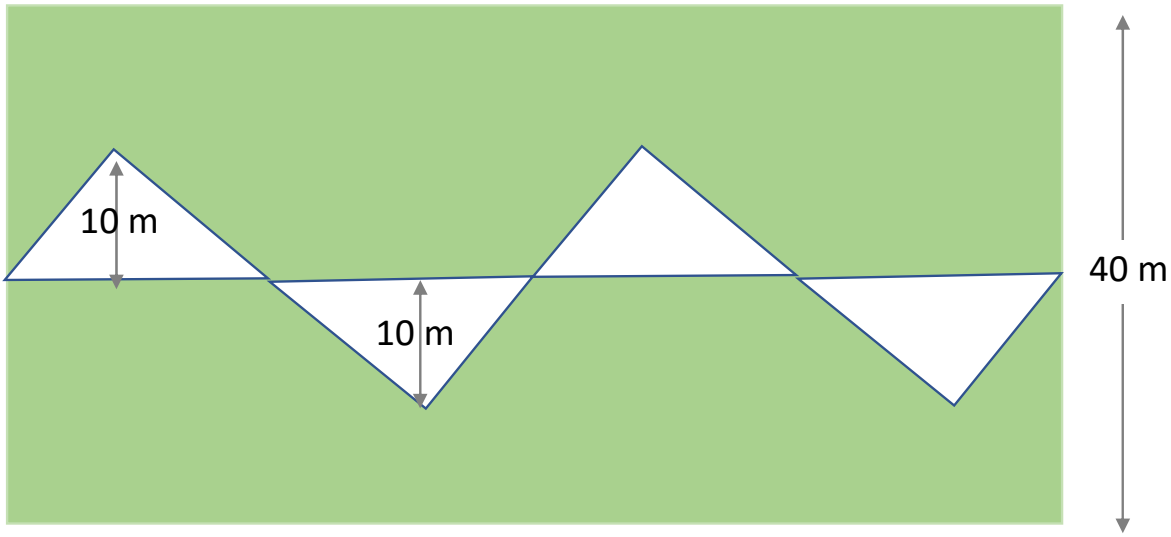
INSTRUCTIONS TO PARENTS

1. Download the worksheet
2. Print it
3. Make your child/ward solve it
4. Take a photo and convert it to PDF
5. You need to upload/send one single document PDF
6. Upload it on the Google Classroom / Drive
7. Some worksheets may ask you to record the starting time and end time and need to be completed in one-sitting. Ensure that your child adheres to this (wherever specified)

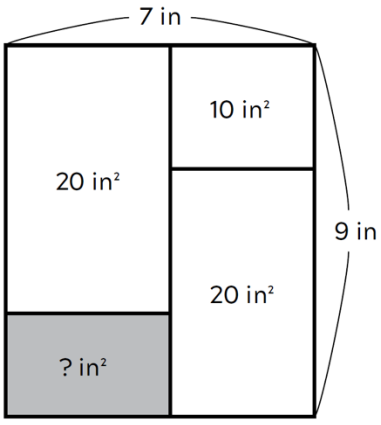
NAME OF CHILD	
STD	
START TIME	Not Applicable
END TIME	Not Applicable

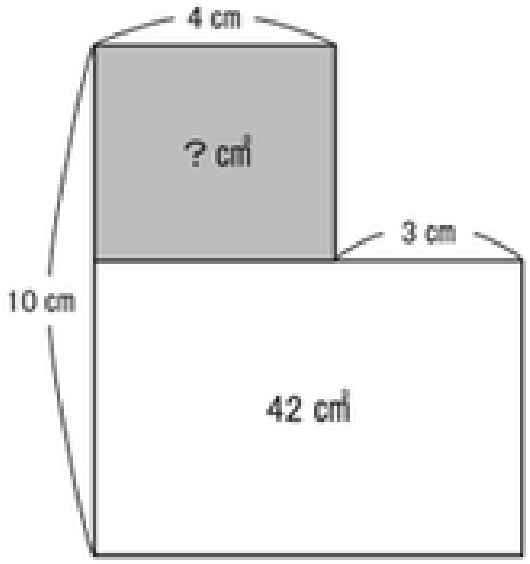
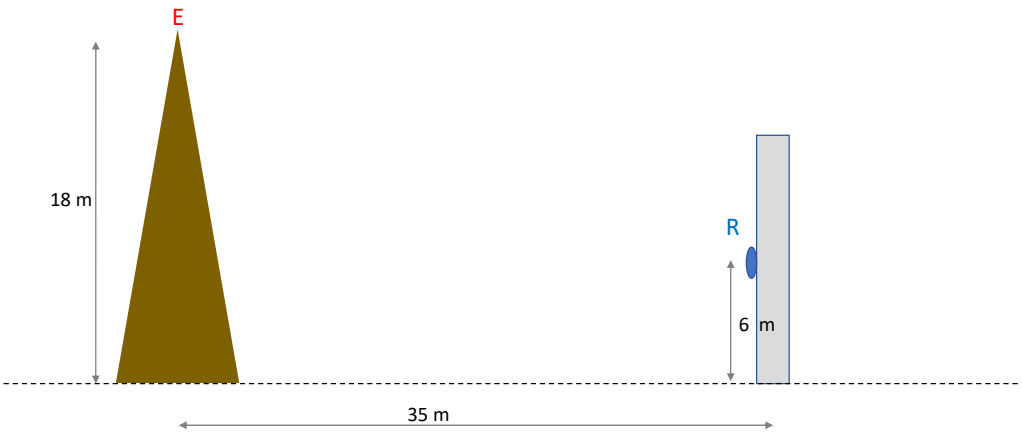
NOTE: This worksheet consists of 5 problems which may or may not be done in a single sitting. Problem No 5 may need 30 min or more to be solved.

1	There is a rectangular plot with area of 2400 sqm. The green part of the plot as shown is the lawn. A pathway has been made to walk through the lawn as shown. Find the area of the lawn i.e. the green portion.



2	Find out the shaded area Source of Puzzle: The Experiment Publishing



3	Find out the shaded area Source of Problem: NY Times
	
3	There is an eagle sitting on a 18m high tower as shown. There is a pole 35m away from the tower. Eagle spots a rat on the pole at a height of 6m above the ground. The rat is not moving. Assuming that the rat does not move What is the distance that Eagle will have to travel to catch the rat?
	

5	There is a snail on the steps as shown in the figure. It is at one end of the step and at the point S as shown. There is a hole in the steps at point H which is one step above and diagonally opposite as shown. The snail wants to reach the hole in order to be safe. The dimensions of the stairs are 4cm height, 10cm depth and 7cm width as shown. What is the shortest path and the shortest distance that snail must take to reach the hole?