

Worksheet |

Lower Secondary
Stage (6-8)

1st Semester | 2023-2024

Name: Answer Key

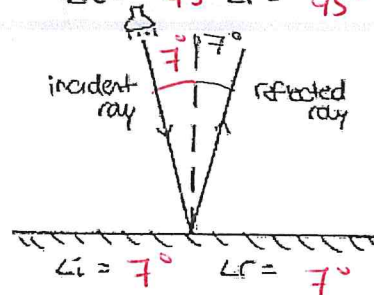
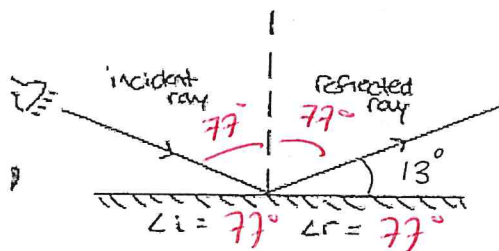
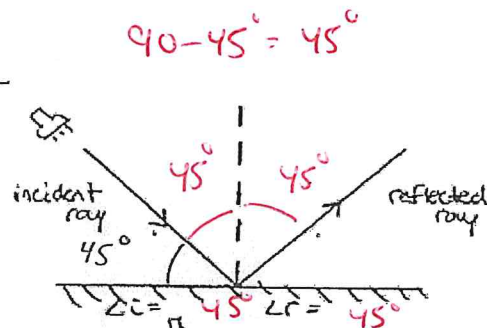
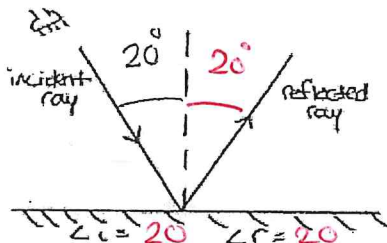
Subject: Physics

Topic: Reflection and Refraction

Objectives:

- To be able to sketch reflection and refraction ray diagrams
- To be able to find out the measure of the angles of incidence and reflection

1) Use the given information to find the measure of the angles of incidence and reflection:



2) A student does an experiment with a mirror. She measures the angle between the mirror and the reflected ray and finds that it is 15° .

- What is the angle of incidence?
- What is the angle of reflection?

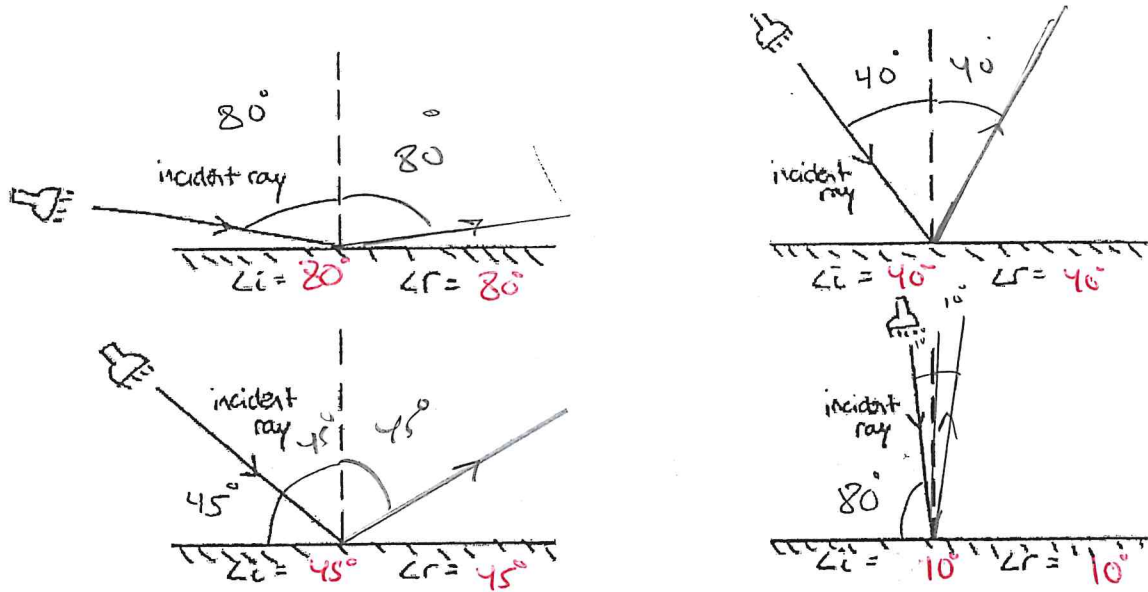
75

$90 - 15 = 75$



We draw using a pencil, we have to put the arrow head and angle size.

2) Sketch the following reflection ray diagrams:



3) Complete the following refraction ray diagrams *Not included in 2nd Month Exam*

