

## Grade 9 Natural Sciences Worksheet

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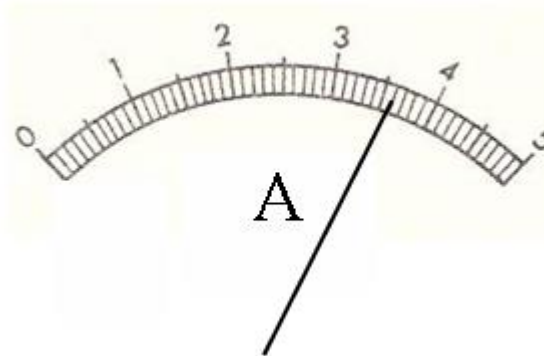
### Reading voltmeters and ammeters

Write down the readings on the following scales. The first one has been explained to help you.

1. The following scale has a maximum of 5 amperes (5A). Each major division is an increment of 1A, represented by the longer line. Within each major division is one slightly shorter line and each of these represent an increment of 0.5A. Each of these is further divided into five smaller increments of 0.1A each. The scale could also be changed to represent 50A.

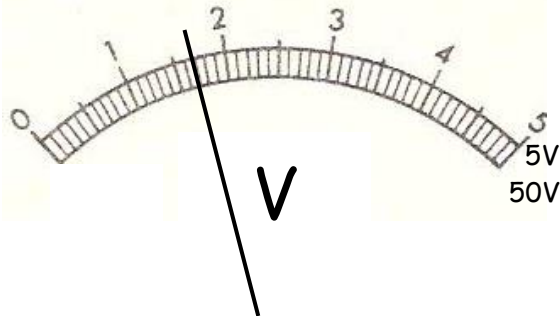
What is the reading on a 5A scale? \_\_\_\_\_

What is the reading on a 50A scale? \_\_\_\_\_



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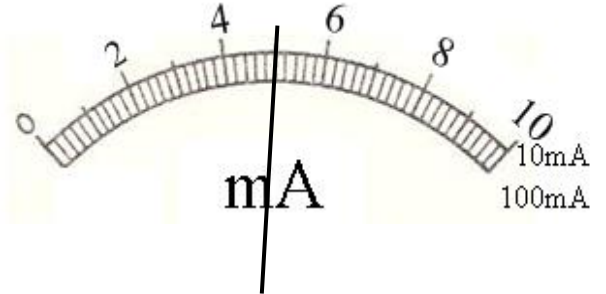
2.



The reading on the 5V scale is  
 The reading on the 50V scale is

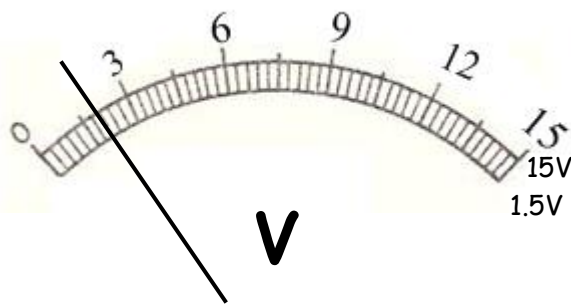
is

3.



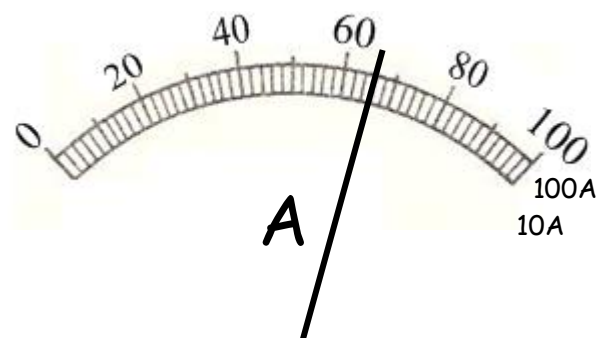
The reading on the 10mA scale is  
 The reading on the 100mA scale is

4.



The reading on the 15V scale is  
 The reading on the 1.5V scale is

5.



The reading on the 100A scale is  
 The reading on the 10 A scale is

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### Suggested Solutions

Question number	Possible marks	Solution
1	2	3.6A ; 36A
2	2	1.7V ; 17V
3	2	5.2mA ; 52mA
4	2	2.1V ; 0.21V
5	2	66A ; 6.6A