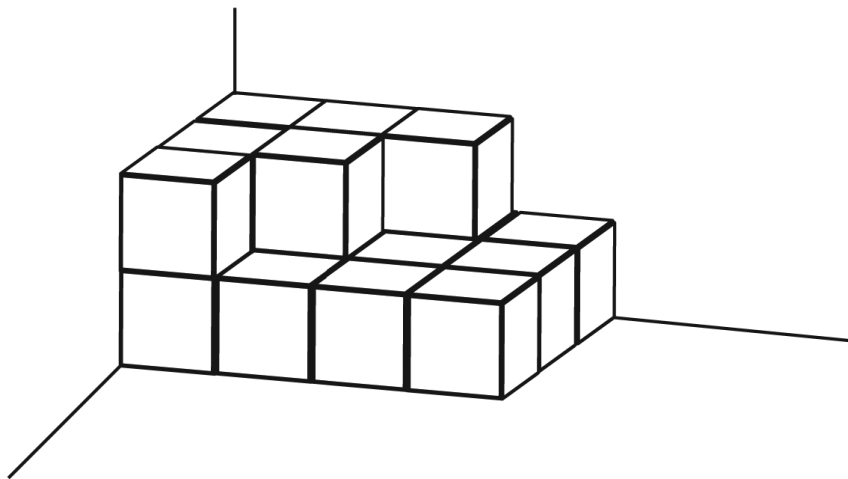




Sample Items from the Trends in International Mathematics and Science Study 2015

The examples shown below and other mathematics and science sample questions are available at https://timssandpirls.bc.edu/timss2015/downloads/T15_FW_AppB.pdf and https://timssandpirls.bc.edu/timss2015/downloads/T15_FW_AppC.pdf, respectively.

Sample for Grade 4 Mathematics



Ann stacks these boxes in the corner of the room. All the boxes are the same size. How many boxes does she use?

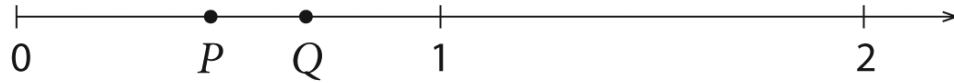
- (A) 25
- (B) 19
- 18
- (D) 13

Sample for Grade 4 Science

Water that has its salt removed before it can be used as drinking water is most likely to have come from

- (A) underground
- (B) a river
- (C) a lake
- a sea

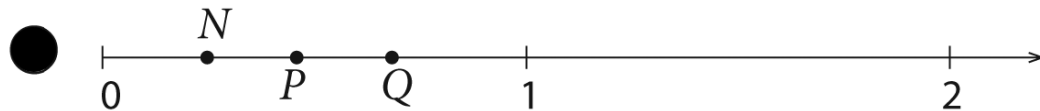
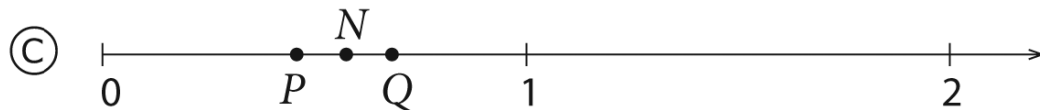
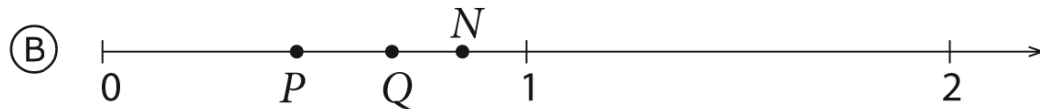
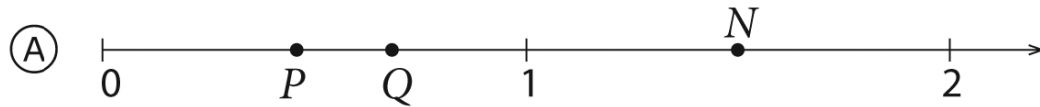
Sample for Grade 8 Mathematics



P and Q represent two fractions on the number line above.

$$P \times Q = N.$$

Which of these shows the location of N on the number line?



Sample for Grade 8 Science

During which chemical process is energy absorbed?

- (A) iron nails rusting
- (B) candles burning
- (C) vegetables rotting
- (D) plants photosynthesizing