NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION

Solutions for sample questions
Class : 2

Mathematics

1. **(B)** Total number of parts in figure = 9

   Number of unshaded parts = 5

   Fraction of figure not shaded = $\dfrac{5}{9}$

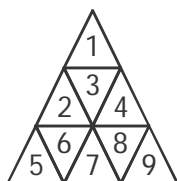2. **(B)** According to the given figure,

   Mass of = 100 g + 100 g +

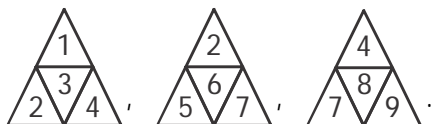   100 g + 100 g = 400 g

   Given mass of the basket = 130 g

   ∴ The mass of the apples = (400 – 130) g

   = 270 g

3. **(B)**

   The triangle made up of 4 small triangles are 3 in number. They are

4. **(A)** 7 × $\boxed{4}$ = 28

   4 × $\boxed{6}$ + 4 = 24 + 4 = 28

   ⇒ 7 × $\boxed{4}$ = 4 × $\boxed{6}$ + 4

   = 8

5. **(C)** Length of Line P = 5 units

   Length of Line Q = 5 units

   Length of Line S = 3 units

Length of Line R = 8 units

∴ Line P is shorter than Line R.

General Science

6. **(A)** We eat the seeds of a pomegranate.

7. **(A)** Dogs are kept in Kennels, fish in aquarium, hens in coops and rabbit live in burrows.

8. **(B)** The process 'X' in the given figure is evaporation.

9. **(C)** In the given figure of human leg, P is thigh, Q is knee and R is ankle.

10. **(A)** Clouds are non-living things.