

MATHS

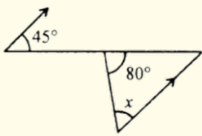
Q.1 The temperature at the foot of hill is 10°C . It is decreased by 15°C at the top of the hill. The difference between the both temperatures recorded is :

- (a) -25°C (b) 25°C (c) 5°C (d) -5°C

Q.2 A rectangular board is $21/7$ cm long and $18/5$ cm wide. Find its perimeter.

- (a) $231/35$ cm (b) $251/35$ cm (c) $261/35$ cm (d) none of the above

Q.3 Find the value of x in the following diagram



- (a) 35° (b) 45° (c) 55° (d) 80°

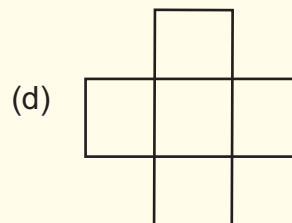
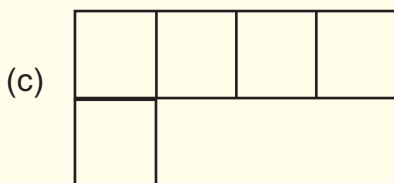
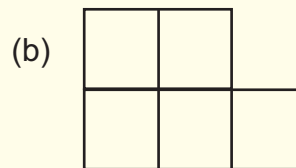
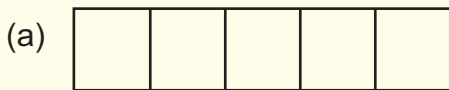
Q.4 Which of the following statement is true:

- (a) Two right angles can not be adjacent
 (b) Two adjacent angles can be complementary
 (c) An acute angle can not be adjacent to an obtuse angle
 (d) Two complementary angles can be supplementary

Q.5 Mean of the first eight prime numbers is

- (a) 9.838 (b) 9.625 (c) 9.833 (d) 9.836

Q.6 Which one of the following shapes, made of five same unit squares, has the smallest perimeter?



SCIENCE

- Q.1 Which plant shows both autotrophic and heterotrophic mode of nutrition.
- (a) Timber Plant (b) Cuscuta
(c) Pitcher Plant (d) All of the above
- Q.2 Which one of the following is difficult to digest for animals as humans
- (a) cellulose (b) bile juice
(c) NH_3 (d) proteins
- Q.3 The formation of sea and land breeze form the classic examples of
- (a) Convection (b) Radiation
(c) Conduction (d) All of above
- Q.4 The skin of earthworm and leech is moist and richly supplied with blood because they have
- (a) gills (b) blood vessels
(c) not blood vessels (d) none of above
- Q.5 The aggregate of all crowns in a stand of vegetation, which is the combination of all foliage, twigs, fine branches, epiphytes as well as the interstices (air) in a forest”
- (a) forest floor (b) understory
(c) canopy (d) crown
- Q.6 If $i = 40^\circ$, so r will be _____
- (a) 30° (b) 40°
(c) 50° (d) 60°