

Maths sample paper class 7

Q1 Two numbers whose sum is 67 and difference is 3, the numbers are

- A. 33 and 34
- B. 32 and 35
- C. 34 and 56
- D. 6 and 15

Answer: A

Q2 If the mean of 6 numbers is 41 then the sum of these numbers is

- A. 250
- B. 246
- C. 134
- D. 456

Answer: B

Q3 7 identical pipes fill 3 identical tanks 45mins, 5 pipes fill one of these tanks in

- A. 20min
- B. 21min
- C. 15min
- D. 10min

Answer: B

Q4 Q is directly proportional to \sqrt{p} Q = 21 when p = 9, the value of Q when p = 81 is

- A. 63
- B. 64
- C. 56
- D. 67

Answer: C

Q5 Non-right pyramids are called

- A. Oblique Pyramids
- B. Tetrahedron based pyramids
- C. Pentagon based pyramids
- D. Hexagon based pyramids

Answer: A

Q6 The volume of cone with surface area 7cm and height 14cm is

- A. 120cm^3
- B. 160cm^3
- C. 180cm^3
- D. 200cm^3

Answer: B

Q7 If A = {3, 6, 9, 12} and B = {6, 8, 9} then intersection of A and B is

- A. {3, 6}
- B. {3, 12}
- C. {6, 9}
- D. {9, 12}

Answer: C

Q8 Individual Objects in a set are called

- A. element
- B. set
- C. list
- D. None of above

Answer: A

Q9 Factorize $2x^2y^2 + 5xy - 12$

- A. $3xy - 12x + 9y$
- B. $(2xy - 3)(xy + 2)$
- C. $4y - 3xy$
- D. $(2xy - 3)(xy + 4)$

Answer: D

Q10 $(a + 2b)^2 - (a + 2b)(3a - 7b)$ by factorization gives

- A. $(a + 2b)(9b - 2a)$
- B. $a - 3b + 4ab$
- C. $5b - 4a$
- D. None of above

Answer: A