100. A man has 9 friends 4 boys and 5 girls. In how many ways can he invite them, if there have to be exactly 3 girls in the invitees?

(a) 320 160 80 200

group of 630 children is arranged in rows for a group photograph session. Each row contains three fewer children than the row in front of it. What number of rows is not possible?

(a) 3
(b) 4
(c) 5
(d) 6

102. A die is rolled twice what is the probability that the sum of the numbers on the two faces is 5?

(a) 3/13
(b) 4 /13
(c) 6/13
(d) 1/9

103. Two trains, one from Howrah to patna and other from patna to Howrah, start simultaneously. After they meet the trains reach their destination after 9 hours and 16 hours respectively. The ratio of their speed is:

(a) 2:03
(b) 4:03
(c) 6:07
(d) 9:06

watch which gains uniformly is 2 minutes slow at noon on Monday and is 4 minute 48 second fast at 2 p.m. on the following Monday. When was it correct?

(a) 2 p.m. on Tuesday 2 p.m. on Wednesday 3 p.m. on Thursday 1 p.m. on Friday

speaks truth in 75% cases and B in 80% of the cases. In what percentage of cases are they likely to contradict each other, narrating the same incident?

(a) 5%
(b) 15%
(c) 35%
(d) 45%

106. The sum of all the natural numbers from 200 to 600 (both inclusive) which are neither divisible by 8 nor by 12 is:

(a) 23:387
(b) 33:068
(c) 33:268
(d) 87:332

107. In a tournament, there are n teams T_1, T_2... T_n, with n>5. Each team consists of k players, k>3. The following pairs of teams have one player in common T_1, T_2 and T_3,T_{n-1} and T_n

and T_1. No other pair of teams has any player in common. How many players are participating in the tournament, considering all the n team together?

(a) k (n-1)
(b) n (k-2)
(c) k (n-2)
(d) n (k-1)

108. If n^2 = 12345678987654321, what is n?

(a) 12344321
(b) 123580
(c) 111111111
(d) 11111111

109. Along a road lie an odd number of stones placed at intervals of 10m. these stones have to be assembled around the middle stone. A person can carry only one stone at a time. A man carried out the job starting with the stone in the middle, carrying stones in succession, thereby covering a distance of 4.8 km. then the number of stones is:

(a) 35
(b) 15
(c) 31
(d) 29

110. What are the last two digits of 7^{2008}?

(a) 01
(b) 21
(c) 61
(d) 71