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Real Numbers · Board CBQs · Set 1 of 9

14 questions · 32 marks · Competency-based

PK-M-RN-CBQ1 Generated 9 Nov 2026

Instructions: Solve on this sheet or separate paper. **Label each answer with its question number (Q1, Q2 ...).** When done, upload one PDF of all your answers to get it graded with full solutions. Upload your answers at lazytopper.com → Worksheets → Upload answers (code PK-M-RN-CBQ1).

Section A

1 mark each

Q1. There are five bells placed at different swings in a park, which toll at intervals of 2, 3, 5, 6, and 10 minutes, respectively. They all toll together when the park is open for visitors at 10:00 AM. How many more times do they all toll together till the park is closed at 8:00 PM?

(a) 10 (b) 20 (c) 30 (d) 60

Q2. An electrician has three rolls of cable of lengths 126 m, 168 m and 210 m. He must cut all of them into pieces of equal length, as long as possible, with no cable left over. How many pieces will he get in all?

(a) 42 (b) 12 (c) 14 (d) 6

Q3. A landscaper receives paving stones in batches of 360. He wants to order k identical batches so that the total number of stones can be laid as a full square grid (a perfect square). What is the smallest possible value of k?

(a) 2 (b) 5 (c) 10 (d) 15

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