

Q1. Mental Maths

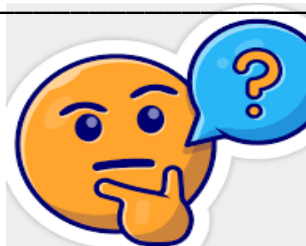
1. Without actually dividing, state the remainder when:

- a) 789 is divided by 10. _____
- b) 5,432 is divided by 100. _____
- c) When a number is divided by 1, the quotient is the _____.
- d) When a non-zero number is divided by itself, the quotient is _____.

Q2. A number when divided by 15 gives a quotient of 23 and a remainder of 7. Find the number.

(Recall: Dividend = Divisor times Quotient + Remainder).

Q3. The Mystery Number Chain:



I start with a number. I divide it by 7, and the quotient is 15 with a remainder of 3. What was my starting number? If I then divide that starting number by 10, what will be the quotient and remainder?

Q4. The Birthday Candles:

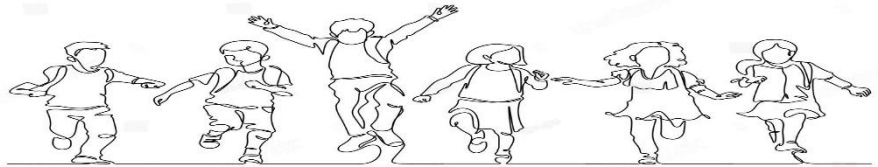


Ria bought 170 candles. She needs to put 15 candles on each birthday cake.

- a) How many cakes can she decorate? _____
- b) After decorating the cakes, how many candles will she have left? _____
- c) How many more candles does she need to decorate one more cake?

Q5. Case study

Scenario:

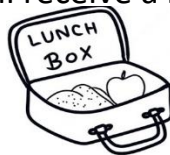


The teachers of ABC Primary School are planning a field trip to the Delhi Zoo for all students from Class 5. There are a total of 360 students in Class 5.

The school has decided on the following arrangements:



- * Transportation: Buses will be hired. Each bus has a seating capacity of 45 students.
- * Supervision: For every 15 students, there must be 1 teacher to supervise.
- * Lunch: Each student will receive a lunch packet. The school budget allows Rs. 75 for each student's lunch packet.
- * Entry Tickets: The entry ticket to the zoo costs Rs. 60 per student. Teachers get free entry.



Questions:

Read the case study carefully and use division (and other operations if needed) to answer the following questions. Show all your calculations.

- a) How many buses will the school need to hire to transport for all the Class 5 students to the zoo? _____
- b) How many teachers will be required for supervision during the field trip? _____
- c) If the school paid a total of Rs. 27,000 for all the students' lunch packets, what was the cost of one lunch packet? _____
- d) What is the total cost of entry tickets for all the Class 5 students? _____

Mind spark question

Q. Find the missing numbers



$$\begin{array}{r} 1 \quad \square \quad 2 \\ 4 \overline{) 6 \quad 4 \quad 8} \\ \underline{- 4 \quad \downarrow} \\ \square \quad 4 \\ \underline{- 2 \quad \square} \\ 0 \quad 0 \quad 8 \\ \underline{- \square \quad \square \quad \square} \\ 0 \quad 0 \quad 0 \end{array}$$

Rough work