

Q1. Fill in the blanks:

- If the product of two whole numbers is zero then _____ of them will be zero.
- Every natural number except _____ has a predecessor.
- If we add the number _____ to the collection of natural numbers, we get the collection of whole numbers
- Place value of 7 in '3627992' is _____.
- Expanded form of 3920671 is _____.
- Number name of 63728729 in Indian system of numeration is _____.
- Number name of 782678926 in International system of numeration is _____.
- _____ is the smallest whole number.
- Whole numbers are closed under _____ and _____.
- Division by _____ is not defined.
- If we add _____ to a number, we get its successor.
- 786 when estimated to the nearest tens is _____ and when estimated to the nearest hundreds is _____.

Q2. Medicine is packed in boxes, each weighing 5kg 600g. How many such boxes can be loaded in a van which cannot carry beyond 260kg?

Q3. A student multiplied 1234 by 67 instead of multiplying by 76. By how much was his answer lesser than the correct answer.

Q4. Sunny is a famous cricket player. He has so far scored 8932 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need?

Q5. Starting from the smallest 9 digit number, write the next five numbers in the ascending order.

Q6. Write the predecessor for the following numbers:

- 72731731
- 3932802201

Q7. Write the successor for the following numbers:

- (a) 32891210
- (b) 98752122

Q8. Write the following in roman numerals:

- (a) 329
- (b) 98
- (c) 121

Q9. Write the following in Hindu - Arabic system of numeration:

- (a) CCCXL
- (b) LXXXVI
- (c) CDXLVI
- (d) XCIX

Q10. The canteen charge Rs. 50 for lunch and Rs. 20 for milk for each day. How much money do you spend in 4 days on these things?

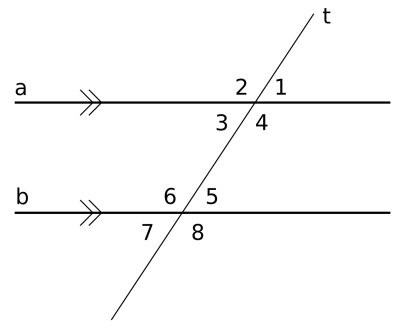
PROJECT WORK: 1: Make a photo frame on "RAMANUJAN - The Great Mathematician". You need to make a picture of

Ramanujan and write the important contributions of him (in not more than 50 words).

2: Make a Rangoli design with the help of different geometrical shapes you know (2D only).

Q 1. Find the pair of angles in the given figure. (write only one pair)

- (a) Alternate angles _____
- (b) Corresponding angles _____
- (c) Vertical opposite angles _____
- (d) Linear pair _____
- (e) Co - interior angles _____
- (f) Alternate interior angles _____
- (g) Alternate exterior angles _____



Q2. Define complementary angle giving an example.

Q3. Write the supplement of the following angles:

- (a) 45° (b) 30° (c) 60° (d) 90°

Q4. Solve the equation $2(x + 3) - 3x = 8 - 2(2x - 5)$.

Q5. Five times the price of a pen is Rs 17 more than the three times of its price. Find the price of the pen.

Q6. The given table shows the freezing points in ($^\circ\text{F}$) of different gases at sea level. Convert each of these

into $^\circ\text{C}$ to the nearest integral value using the relation and complete the table, $C = \frac{5}{9}(F - 32)$

<u>Gas</u>	<u>Freezing Point at Sea Level ($^\circ\text{F}$)</u>	<u>Freezing Point at Sea Level ($^\circ\text{C}$)</u>
Hydrogen	-435	
Krypton	-251	
Oxygen	-369	
Helium	-458	
Argon	-30	

PROJECT WORK: 1: Make a photo frame on "RAMANUJAN - The Great Mathematician". You need to make a picture of

Ramanujan and write the important contributions of him (in not more than 50 words).

2: Make a Rangoli design with the help of different geometrical shapes you know (2D only).

Q 1. The ratio of two numbers is 2:3. If both the numbers are increased by 8 their ratio becomes 10:13. Find the numbers.

Q2. The sum of 5 consecutive odd numbers' is 135. Find the numbers.

Q3. The angles of a triangle are $3x$, $(2x + 20)$ and $(5x - 40)$. Find the angles.

Q4. How many natural numbers lie between: (a) 13^2 and 14^2

(b) 2001^2 and 2002^2

Q5. Write Pythagorean triplet whose one member is: (a) 20 (b) 12

Q6. Find the sq. root by prime factorization. (a) 11025 (b) 8469 (c) 17956

Q7. A shopkeeper bought two phones for Rs. 8,000 each. After selling the phones, there was a loss of 4% on the 1st phone while a profit of 8% on the 2nd phone. Calculate the overall gain or loss per cent on the whole transaction.

Q8. A student got 150 marks out of 200 in maths and got 120 marks out of 180 in science. In which subject did the student perform better?

Q9. Simplify $7x^2(3x - 9) + 3$ and find its values for $x = 4$ and $x = 6$.

Q10. Find the cube root of each of the following numbers by prime factorisation method.

(A) 91125

(B) 110592

PROJECT WORK: 1: Make a photo frame on "RAMANUJAN - The Great

Mathematician". You need to make a picture of

Ramanujan and write the important contributions of

him (in not more than 50 words).

2: Make a Rangoli design with the help of different geometrical shapes you know (2D SHAPES only).