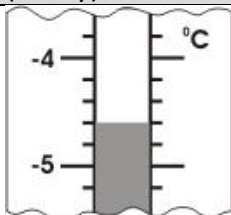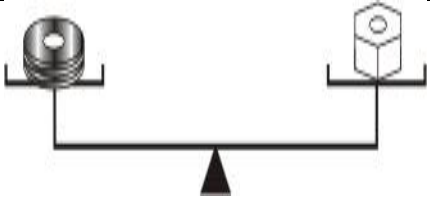# QUESTION PAPER

SET 3

Subject : Mathematics

Grade : IX

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
1	3_19 Mathematics 2770	Number system	Which is the smallest 7-digit number that is a multiple of 6?		A

Answer Options				
	Option A	Option B	Option C	Option D
	1000002	1000003	1000005	1000006

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
2	3_19 Mathematics 2771	Number system	Which of the following statements is true?		D

Answer Options				
	Option A	Option B	Option C	Option D
	$3^{40} + 3^{20}$ $= 3^{40+20}$	$3^{12} \times 3^{10}$ $= 3^{12 \times 10}$	$3^{14} + 4^{14}$ $= (3+4)^{14}$	$3^{20} \times 3^{2}$ $= (3^{2})^{11}$

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
3	3_19 Mathematics 2772	Number system	A part of a room thermometer is shown below. What temperature is the thermometer showing?		B

Answer Options				
	Option A	Option B	Option C	Option D
	-4.3 deg C	-4.6 deg C	-5.2 deg C	-5.4 deg C

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
4	3_19 Mathematics 2773	Number system	The weighing scale below has 5 regular sized CD's on one side balancing a weight on the other. What is the weight on the right likely to be?		C

		Answer Options			
	Option A	Option B	Option C	Option D	
	20mg	10g	100g	300g	
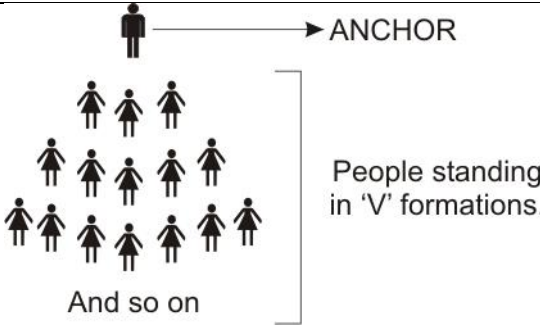
Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
5	3_19 Mathematics 2774	Number system	What is the smallest number by which you have to multiply the product 3 x 4 x 5 x 11 x 15 to get a perfect square number?		A

		Answer Options			
	Option A	Option B	Option C	Option D	
	11	44	2475	9900	
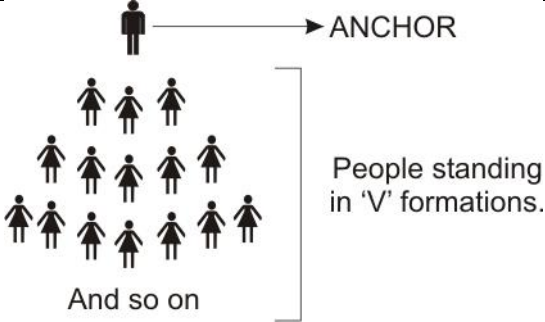
Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
6	3_19 Mathematics 2775	Number system	Which of the following numbers can be written as a non-terminating but recurring decimal?		C

		Answer Options			
	Option A	Option B	Option C	Option D	
	$\dfrac{43}{8}$	9	$\dfrac{5}{12}$	$\sqrt{6}$	

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
7	3_19 Mathematics 2777	Number System	If the numerator of an expression is the sum of p, q and r and the denominator of the expression is the sum of 3p, 3q and 3r ,then expression will be reduces to		A
			Answer Options		
		Option A	Option B	Option C	Option D
		$\dfrac{1}{3}$	$\dfrac{1}{9}$	$\dfrac{1}{27}$	$\dfrac{1}{3pqr}$
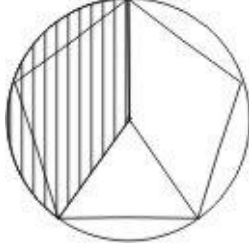
Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
8	3_19 Mathematics 2778	Number System	Which of these sets of consecutive numbers has a product of 54834?		B
			Answer Options		
		Option A	Option B	Option C	Option D
		46,47,48	37,38,39	33,34,35	22,23,24
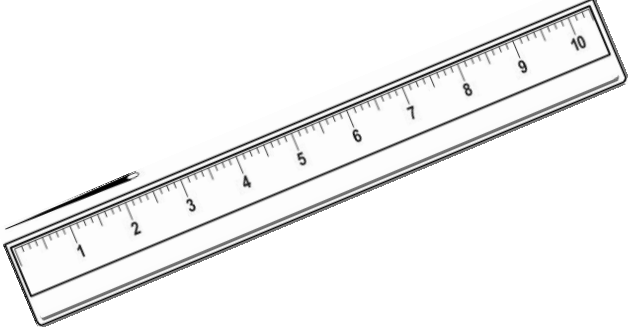
Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
10	3_19 Mathematics 2785	Number system	While solving a numerical in Physics, Archana got the answer as 2.387×10^7 instead of 2.367×10^7 due to a miscalculation. By how much does her answer differ from the correct answer?		B
			Answer Options		
			Option A	Option B	Option C	Option D
			20000000	200000	2000	0.02

Q N o	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)

| 11 | 3_19
Mathematics

2808 | Number system | At a party, one person chooses to anchor a game and everyone else stands in V formations as shown below. 3 people stand in the innermost V, 5 in the next and so on. If there are 125 people (including the anchor) at the party, how many complete V's will they be able to form? |
ANCHOR
People standing in 'V' formations.
And so on | B |

Answer Options			
Option A	Option B	Option C	Option D
5	10	12	21

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
12	3_19 Mathematics 2809	Number system	At a party, one person chooses to anchor a game and everyone else stands in V formations as shown below. 3 people stand in the innermost V, 5 in the next and so on. If there are 125 people (including the anchor) at the party, How many MORE people would be required to complete the next V along with the remaining people?	ANCHOR People standing in 'V' formations. And so on	C

Answer Options			
Option A	Option B	Option C	Option D
0	13	19	23

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
13	3_18 Mathematics 3414	Number system	5 workers, working 8 hours a day, finished painting a house in 2 days. If an identical house has to be painted completely in a day by 8 workers, how many hours should they work?		B
		Answer Options			
		Option A	Option B	Option C	Option D
		11	10	8	5

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
14	2_11 Mathematics 4489	Number system	What part of this figure is shaded?		D
		Answer Options			
		Option A	Option B	Option C	Option D
		$\frac{1}{5}$	$\frac{3}{5}$	$\frac{4}{5}$	$\frac{2}{5}$

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
15	2_11 Mathematics 5295	Number system	See this scale marked in a non standard unit. Each larger unit is divided into 8 (not 10) parts. Which of the following is nearest to the length of the needle shown here?		C

Answer Options			
Option A	Option B	Option C	Option D
2.3 units	2+ ¾ units	2+ 3/8 units	2.25units