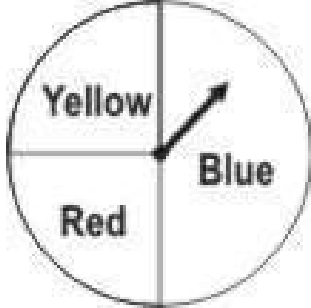
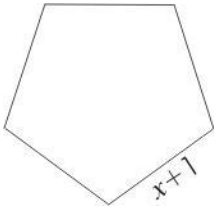


SET 11 Data handling and simple equations

Q · N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C ,D)
1	5_28 Math ematics 1002 2	Data Handling Chapter 3	<p>The pointer on the spinner below can stop on any of the 3 areas - red, yellow or blue, when spun.</p> <p>What are the chances of the pointer stopping on red on the first try on this spinner?</p>		C
Answer Options					
Option A		Option B	Option C	Option D	
certain		50%	25%	impossible	

Q · N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B, C,D)
8	5_28 Math ematics 1002 9	Data Handling Chapter 3	Ram walks into a room that had 2 fans. The room has one switchboard with 10 switches - each operating a different light or fan. Ram does not know which switch is for what. What is the GREATEST number of switches he may have to try before any ONE of the fans gets switched on?		C
Answer Options					
		Option A	Option B	Option C	Option D
		2	8	9	10

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)		
4	3_19 Mathematics 2714	Simple Equation Chapter 4	The length of a side of the regular polygon shown below is $(x + 1)$ units. What is its perimeter in the same units?		D		
Answer Options							
Option A		Option B		Option C		Option D	
$4x + 1$		$x + 5$		$5x + 1$		$5x + 5$	


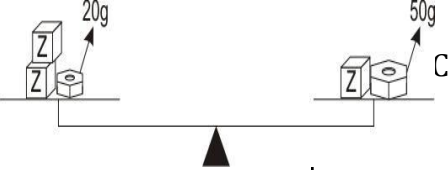
9	1_2 Mathematics 6858	Simple Equations Chapter 4	If $2^3 + x = 2^3$ and $2^3 \cdot y = 2^3$, then $x - y$ equals		A		
Answer Options							
Option A		Option B		Option C		Option D	
-1		1		0		2^3	

Q . N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
6	5_26 Mathe matics 1727	Simple Equations Chapter 4	Renu is 4 years old and her sister Keya is 8 years old. Which of the following would be the correct way to find Keya's age when Renu is y years old?		C
Answer Options					
		Option A	Option B	Option C	Option D
		y^2	$2y$	$y + 4$	$4y$

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
12	5_26 Mathe matics 1731	Simple Equations Chapter 4	What should be added to 995 to get the smallest 4-digit number divisible by 11?		C
Answer Options					
		Option A	Option B	Option C	Option D
		2	5	6	11

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S.No	Folder Number and Question Code	Topic	Question with Answer options	Image if any	Correct Answer				
3	5_27 Mathematics 8345	SIMPLE EQUATIONS Chapter 4	If the sum of two consecutive odd numbers is 10000, what is the smaller of the two?		B				
						Answer Options			
						Option A	Option B	Option C	Option D
1	4999	5000	9999						


2	3_18 Mathematics 3339	Simple Equations Chapter 4	See the weighing below with some identical cubes marked 'Z'. How many grams does  weigh?		
			Answer Options		
			Option A		Option B

		15 g	25 g	30 g	50 g	
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15	1_4 Mathematics 7553	Simple Equations Chapter 4	Which of these equations has 0 as the solution?			D
		Answer Options				
		Option A $x + 4 = 7 - x$	Option B $7x = 7$	Option C $2x + 3 = x - 3$	Option D $2x + 1 = 1 + 3x$	

Q . N	Folder name & Question Code	Topic	Question with Answer Options	Image (if Any)	Correct Answer (Option - A,B,C, D)
6	3_19 Mathematics 2717	Simple Equations Chapter 4	Zarina finds that if she multiplies her age by itself and decreases it by 110, the result equals her age. How can she write this taking 'z' as her age?		B
Answer Options					
		Option A	Option B	Option C	Option D

			$2z/110 = z$	$z^2 - 110 = z$	$z^2 - 110z = 2$	$2z - 110 = z$	
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Q · N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)				
3	5_26 Mathematics 1742	Simple Equations Chapter 4	This is what Laxman sees on his computer screen while printing a document. The total size of the document is shown in kilobytes (KB). Assuming the size of each page is the same, about how many kilobytes may have already been printed?		B				
						Answer Options			
						Option A 120 KB	Option B 250 KB	Option C 400 KB	Option D 1575 KB

Q · N	Folde r name & Quest ion Code	Topic	Question with Answer Options	Ima ge (if Any)	Corr ect Ans wer (Opt ion - A,B,C ,D)
10	5_27 Math emati cs 8377	<i>Simple Equations Chapter 4</i>	<i>Tina's age is 3 years less than twice the age of her brother Ronak. If R represents the age of Ronak, then what is Tina's age?</i>		C
Answer Options					
		<i>Option A</i>	<i>Optio n B</i>	<i>Option C</i>	<i>Option D</i>
		$2-3R$	$3 - 2R$	$2R - 3$	$3 + 2R$

Q · N	Folder name & Questi on Code	Topic	Question with Answer Options	Image (If Any)	Corre ct Answ er (Opti on - A,B,C, D)
11	5_27 Mathe matics 8378	Simple Equations Chapter 4	What is the MINIMUM number of straight cuts required to cut a cylindrical log into 8 pieces? (Hint: The cuts have to be straight but can be in any direction)		B
Answer Options					
Option A		Option B	Option C		Option D
2		3	5		8

S. No.	Folder name & Question Code	Topic	Question with Answer Options	Image	Correct Answer (Option – A,B,C,D)				
7	2_10 Mathematics 5828	Simple Equations Chapter 4	If $2 + x = 12$, the value of x^2 is		C				
						Answer Options			
						Option A 20	Option B 28	Option C 100	Option D 196
8	2_10 Mathematics 5834	Simple Equations Chapter 4	Mallika and Kishore have the same number of marbles. To have 100 marbles, they must pool their marbles together and then get 25 more. Which equation represents the above relationship?"		D				
						Answer Options			
						Option A $50x = 100$	Option B $25x^2 = 100$	Option C $25 + x^2 = 100$	Option D $25 + 2x = 100$

