INDIAN SCHOOL AL WADI AL KABIR
Class VII, Mathematics *Worksheet- FRACTIONS AND DECIMALS(DECIMALS)*
20-08-2021 (Term – 1) Revision
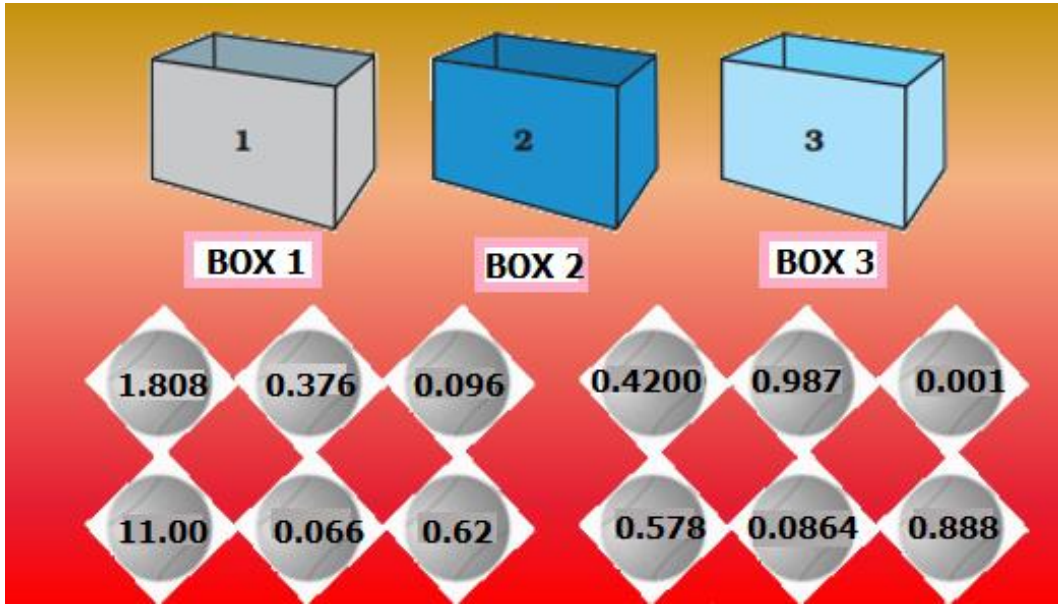
Department of Mathematics

OBJECTIVE TYPE (1 Mark)

Q.1.	Which amongst the following has the smallest value?							
	A	0.0002	**B**	$\dfrac{0.2}{2}$	**C**	$\dfrac{2}{1000}$	**D**	$\dfrac{2}{100}$

Q.2.	Harmeet purchased 2.5 kg of potatoes at the rate of ₹ 24 per kg. How much money should she pay?							
	A	₹ 600	**B**	₹ 70	**C**	₹ 50	**D**	₹ 60

Q.3.	The decimal expression for 12 rupees 8 paise in rupees is							
	A	₹ 12.8	**B**	₹ 12.08	**C**	₹ 12.88	**D**	₹ 08.08

Q.4.	What is the combined thickness of these five shims: 0.008 cm, 0.125 cm, 0.15 cm, 0.185 cm, and 0.005 cm?							
	A	0.437 cm	**B**	0.447 cm	**C**	0.437 m	**D**	0.4337 cm

Q.5.	The value of 1.02×79.452 is							
	A	8104.104	**B**	81.04104	**C**	810.4104	**D**	81041.04

Q.6.	Kathi had a rope of 63.45 m. She cut the rope into ten pieces. What was the length of each piece?							
	A	634.5 m	**B**	6345 m	**C**	63.45 m	**D**	6.345 m

Q.7.	Rakeh bought a new bike. He went on a road trip of 321.2 km in 4.4 hours on bike. What will be the average reading on meter reader of the bike in 1 hour?							
	A	83 km	**B**	73 km	**C**	72 km	**D**	74 km

Q.8.	Five swimmers entered into a competition. Four of the swimmers have had their turns. Their scores are 9.8 s, 9.75 s, 9.79 s, and 9.81 s. What score must the last swimmer get in order to win the competition?							
	A	Greater than 9.75 s	**B**	Less than 9.75 s	**C**	Greater than 9.81 s	**D**	Greater than 9.79 s

Q.9.	Melissa purchased for ₹ 39.46 in groceries at a store. The cashier gave her ₹ 1.46 in change from a ₹ 50 bill. Melissa gave the cashier an angry look. What did the cashier do wrong?							
	A	The cashier must have given Melissa the wrong change.	**B**	Melissa should get a change of ₹ 10.54	**C**	Both A and B	**D**	Neither A nor B
Q.10.	How many ribbons of length 1.6 m can be cut from a ribbon of 52.80 m?							
	A	34	**B**	33	**C**	32	**D**	43
Q.11.	Each side of a regular hexagon is 3.5cm long. The perimeter of the given polygon is							
	A	17.5 cm	**B**	21 cm	**C**	18.3 cm	**D**	20 cm
Q.12.	The cost of a fancy cap is ₹ 32.60. Find the cost of 100 such caps?							
	A	₹ 32600	**B**	₹ 32600	**C**	₹ 326	**D**	₹ 3260
Q.13.	The quotient , when 32.54 is divided by 1000 is							
	A	0.003254	**B**	0.3254	**C**	0.03254	**D**	0.0003254
Q.14.	2.53×0.154 is the same as (without actual multiplication)							
	A	253×0.00154	**B**	25.3×1.54	**C**	2.53×0.0154	**D**	253×0.0154
Q.15.	To make a miniature ice cream truck, you need tyres with a diameter between 1.465 cm and 1.472 cm. Will a tyre that is 1.4691 cm in diameter work?							
	A	No	**B**	Yes	**C**	May not be possible	**D**	May be possible

Fill in the blanks (1mark)

Q.16.	On dividing 199.4 by 2 we get _____.
Q.17.	The thickness of 12 sheets of paper is 2.16 mm, then the thickness of 1 sheet is _____.
Q.18.	If $324 \times 12 = 3888$, then find the product of each of the following without actually performing the multiplication. (i) $3.24 \times 12 =$ _____ (ii) $32.4 \times 12 =$ _____ (iii) $0.00324 \times 12 =$ _____.
Q.19.	When 14.23 is divided by 100, the quotient is _____.
Q.20.	The value of $76.2 \div 30$ is _____.

CASE STUDY QUESTIONS

Q.21. Some balls have been assigned a tag with decimal numbers according to the weight of the ball. The balls are to be placed on the basis of the following :

• All balls with tag number less than $\frac{1}{8}$ should be placed in box 1.

• All balls with tag number between $\frac{3}{8}$ and $\frac{5}{8}$ should be placed in box 2.

• All balls with tag number more than $\frac{7}{8}$ should be placed in box 3.

Place the balls in the appropriate boxes.(Hint: Convert $\frac{1}{8}, \frac{3}{8}, \frac{5}{8}$ and $\frac{7}{8}$ in to decimal numbers.

(i) The number of balls placed in box 1 is							
A	5	**B**	3	**C**	4	**D**	6

(ii) If there is a ball with a tag 0.795 , then it can be placed in which of these boxes?							
A	1	**B**	2	**C**	3	**D**	None of these

(iii) What is the total weight of balls that are placed in box 3?							
A	14.683 Kg	**B**	1.993 Kg	**C**	0.2494 Kg	**D**	146.83 Kg

(iv) What will be the quotient when you divide 1.993 by 5?							
A	39.86	**B**	3.986	**C**	0.3986	**D**	398.6

(v) What is the weight of 10 such boxes of type 3?							
A	14.683 Kg	**B**	146.83 Kg	**C**	1468.3 Kg	**D**	14683 Kg

Answers								
	1	A	**2**	D	**3**	B	**4**	A
	5	B	**6**	D	**7**	B	**8**	B
	9	C	**10**	B	**11**	B	**12**	D
	13	C	**14**	A	**15**	B	**16**	99.7
	17	0.18mm	**18**	(i) 38.88 (ii) 388.8 (iii) 0.03888	**19**	0.1423	**20**	2.54
	21	(i)C	**21**	(ii) D	**21**	(iii) A	**21**	(iv) C
	21	(v) B						