



# INDIAN SCHOOL AL WADI AL KABIR

Class VII, Mathematics

## WORKSHEET (MCQ& CASE STUDY) - DECIMALS

### Multiple Choice Questions

<b>Q.1.</b>	250 g is equal to							
	<b>A</b>	0.25 kg	<b>B</b>	0.025 kg	<b>C</b>	0.0025 kg	<b>D</b>	2.50kg
<b>Q.2.</b>	Convert 0.4 decimals as fractions							
	<b>A</b>	$\frac{1}{5}$	<b>B</b>	$\frac{1}{25}$	<b>C</b>	$\frac{4}{5}$	<b>D</b>	$\frac{2}{5}$
<b>Q.3.</b>	Arrange the following in ascending order: 18.03, 18.892, 18.829 and 18.324							
	<b>A</b>	18.03, 18.892, 18.829 and 18.324	<b>B</b>	18.03, 18.829, 18.892 and 18.324	<b>C</b>	18.892, 18.829, 18.03 and 18.324	<b>D</b>	18.03, 18.324, 18.829 and 18.892
<b>Q.4.</b>	Which of the following has the largest value?							
	<b>A</b>	0.05	<b>B</b>	$\frac{0.2}{2}$	<b>C</b>	$\frac{25}{100}$	<b>D</b>	$\frac{2}{100}$
<b>Q.5.</b>	Which one of the following can be expressed with the expansion $4 \times 10 + 0 \times 1 + 0 \times \frac{1}{10} + 6 \times \frac{1}{100}$ ?							
	<b>A</b>	40.06	<b>B</b>	4.06	<b>C</b>	400.06	<b>D</b>	4.064
<b>Q.6.</b>	Each side of a regular polygon measures 3.5 cm. If the perimeter of the polygon is 17.5 cm, how many sides does it have?							
	<b>A</b>	12 cm	<b>B</b>	3 cm	<b>C</b>	5 cm	<b>D</b>	6 cm
<b>Q.7.</b>	If the perimeter of an isosceles of a triangle is 13.5 cm and the two equal sides are 4.6 cm each. Find the third side of the triangle.							
	<b>A</b>	4.45 cm	<b>B</b>	4.50 cm	<b>C</b>	3.50 cm	<b>D</b>	4.30 cm
<b>Q.8.</b>	The value of $1.2 \times 79.452$ is							
	<b>A</b>	95.3424	<b>B</b>	9.53424	<b>C</b>	953.424	<b>D</b>	9534.24

<b>Q.9.</b>	The length of a rectangle is 7.1 cm and its breadth are 2.5 cm. What is the area of the rectangle?							
	<b>A</b>	47.75cm <sup>2</sup>	<b>B</b>	17.75cm <sup>2</sup>	<b>C</b>	77.75cm <sup>2</sup>	<b>D</b>	27.75cm <sup>2</sup>
<b>Q.10.</b>	76.8 m of cloth was cut into 1.2 m pieces. Find the number of pieces that can be cut.							
	<b>A</b>	54	<b>B</b>	64	<b>C</b>	32	<b>D</b>	48
	<p><b>Source-based questions:</b></p> <p>Carlos visited the shopping mall to purchase some new clothes and accessories. After browsing through different stores, he finally made up his mind and bought a pair of shoes for ₹5629.95, two elegant neckties for ₹543.98 each, three pairs of comfortable socks for ₹480.75, and 10 handkerchiefs for ₹989.50.</p>							
Q 11	Find the total price paid for neckties.							
	A	₹1007.96	B	₹1087.96	C	₹1080.96	D	₹1000.96
Q 12	Price of a pair of socks.							
	A	₹160.25	B	₹150.25	C	₹110.25	D	₹100.25
Q 13	What will be the price of 10 pieces of neckties?							
	A	₹5400.8	B	₹5439.8	C	₹5000.8	D	₹5009.8
Q 14	The cost price of one handkerchief is							
	A	₹100.0	B	₹90.00	C	₹98.95	D	₹120.56
Q 15	Calculate the total amount paid by Carlos after his purchase.							
	A	₹8888.16	B	₹8000.16	C	₹7188.16	D	₹8188.16

### Case study questions:

Insulin is a hormone that plays a role in regulating blood sugar levels and absorbing glucose for energy. The amount of insulin required by an individual can vary. Prakhar was suffering from diabetes. To address this, he was prescribed insulin injections. The doctor used a specific formula to calculate the daily insulin units required for Prakhar's body.

Daily insulin requirement (units) =  $0.55 \times$  total body mass

Q16.

Based on the above information, answer the following. (CBQ)

1. Prakhar's body mass is 80 kg. What is Prakhar's daily insulin requirement?
2. Prakhar's friends take 40.15 units of insulin daily. Find his total body mass.
3. The doctor has prescribed 7 insulin injections for Prakhar for one week each injection costs ₹256.50. How much money does he have to pay?
4. He paid ₹2000 to the medical shop for the injection. How much money he will get back from the shopkeeper?
5. Calculate the cost of 10 insulin injections.



### ANSWERS

1.	A	2.	D	3.	D	4.	C
5.	A	6.	C	7.	D	8.	A
9.	B	10.	B	11.	B	12.	A
13.	B	14.	C	15.	D	16.	(1)44, (2)73kg (3) ₹1795.5 (4) ₹204.5 (5) ₹2565