|  |  |  | INDIAN SCHOOL AL WADI AL KABIR Class VII, Mathematics <br> Worksheet 2- COMPARING QUANTITIES |  |  |  |  |  |
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| OBJECTIVE TYPE (1 Mark) |  |  |  |  |  |  |  |  |
| Q.1. | Selling price of an item is: |  |  |  |  |  |  |  |
|  | A | Profit + cost price | B | Cost price + loss | C | Cost price - profit | D | Loss - cost price |
| Q.2. | There are 40 children in a class. $25 \%$ like playing football. How many children like playing football? |  |  |  |  |  |  |  |
|  | A | 10 | B | 20 | C | 30 | D | 40 |
| Q.3. | $\frac{1}{4}$ as per cent is: |  |  |  |  |  |  |  |
|  | A | 20\% | B | 25\% | C | 30\% | D | $12 \frac{1}{2} \%$ |
| Q.4. | The price of petrol per litre has risen from ₹ 48 to ₹ 52. By what per cent has the price risen up? |  |  |  |  |  |  |  |
|  | A | 40\% | B | 4\% | C | 25\% | D | $\frac{25}{3} \%$ |
| Q.5. | A watch was purchased for $₹ 316$ and sold for $₹ 300$. What is the loss? |  |  |  |  |  |  |  |
|  | A | ₹8 | B | ₹16 | C | ₹24 | D | ₹32 |
| Q.6. | Find the number whose $14 \%$ is 28 . |  |  |  |  |  |  |  |
|  | A | 250 | B | 300 | C | 200 | D | 450 |
| Q.7. | If cost price of an article is ₹500 and profit is ₹ 25 , then profit \% is: |  |  |  |  |  |  |  |
|  | A | 5\% | B | 15\% | C | 10\% | D | 50\% |
| Q.8. | If $90 \%$ of $x$ is 315 km , then the value of $x$ is: |  |  |  |  |  |  |  |
|  | A | 325 km | B | 350km | C | 405km | D | 340 km |
| Q.9. | If Interest $=1$, Principal = P, Rate of Interest= R, Time $=$ T, then which of the following is correct? |  |  |  |  |  |  |  |
|  | A | $\mathrm{P}=\frac{\mathrm{TR}}{\mathrm{I}} \times 100$ | B | $\mathrm{I}=\mathrm{PTR} \times 100$ | C | $\mathrm{T}=\frac{\mathrm{I} \times 100}{\mathrm{PR}}$ | D | $\mathrm{R}=\frac{\mathrm{PT}}{\mathrm{I}} \times 100$ |
| Q. 10 | Convert $18 \%$ to fraction in the simplest form: |  |  |  |  |  |  |  |
|  | A | $\frac{6}{25}$ | B | $\frac{9}{50}$ | C | $\frac{9}{5}$ | D | $\frac{50}{9}$ |


| Fill in the blanks(1mark) |  |
| :---: | :---: |
| Q11. | Out of 25 children in a class 19 are girls. The percentage of boys is ___. |
| Q12. | Percentages are numerators of fractions with denominator ___ . |
| Q13. | A football team played 30 matches in one season and won $40 \%$ of them. Number of matches they won is $\qquad$ _. |
| Q14. | $0.04=\ldots \%$ |
| Q15. | $75 \%$ of $12=$ |
|  | SECTION B (2 marks) |
| Q16. | By selling a laptop for ₹ 23000 , a dealer earns a profit of $15 \%$, what is its cost price? |
| Q17. | If the angles of a triangle are in the ratio 1:3:5. Find the value of the greatest angle. |
| Q18. | Acid and water are mixed in the ratio 2:9. Find the quantity of acid in 66 litres of dilute acid. |
| Q19. | Convert the following to per cents: <br> a) 3.5 <br> b) $\frac{49}{50}$ <br> c) $\frac{2}{2}$ |
| Q20. | Cost of an item is ₹ 550 . It is sold with a profit of $10 \%$. What is its selling price. |
|  | SECTION C (4marks) |
| Q21. | a) There are 25 radios, 16 of them are out of order. What per cent of radios are out of order? <br> b) A shop has 500 parts, out of which 5 are defective. What per cent are defective? |
| Q22. | Convert each part of the ratio to percentage: <br> a) $1: 4$ <br> b) 1:2:5 |
| Q23. | Find profit or loss percentage in each case: <br> a) A cupboard bought for ₹ 2500 and sold at ₹ 3000 . <br> b) A skirt bought for ₹ 250 and sold at ₹150. |
| Q24. | What sum of money lent out at $12 \%$ p.a. simple interest would produce ₹ 9000 as interest in 2 years? |
| Q25. | Find the amount to be paid at the end of 3 years for ₹ 1100 at $11 \%$ rate of interest per annum. |


|  | ANSWERS |  |  |  |  |  |  |  |
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| $$ | Q.1. | A) Profit + Cost price | Q. 2 | A) 10 | Q.3. | B) $25 \%$ | Q. 4 | D) $\frac{25}{3} \%$ |
|  | Q.5. | ₹16 | Q. 6 | C) 200 | Q. 7 | A) $5 \%$ | Q. 8 | B) 350 km |
|  | Q.9. | c) $T=\frac{\mathrm{I} \times 100}{\mathrm{PR}}$ | Q. 10 | B) $\frac{9}{50}$ | Q. 11 | 24\% | Q. 12 | 100 |
|  | Q. 13 | 12 | Q. 14 | 4\% | Q. 15 | 9 | Q. 16 | ₹20000 |
|  | Q. 17 | $100^{\circ}$ | Q. 18 | 12 litres | Q. 19 | a) $350 \%$ <br> b) $98 \%$ <br> c) $100 \%$ | Q. 20 | ₹605 |
|  | Q. 21 | a) $64 \%$ <br> b) $1 \%$ | Q. 22 | a) $20 \%$, 80\% <br> b) $12.5 \%, 25 \%$, 62.5\% | Q. 23 | $\begin{aligned} & \text { a) Profit\% } \\ & =20 \% \end{aligned}$ <br> b) $\operatorname{Loss} \%=$ 40\% | Q. 24 | ₹37500 |
|  | Q. 25 | ₹1463 |  |  |  |  |  |  |

