

Subject: Mathematics

Class: 6-8

Topic: Percentages: Decimals and Vice-Versa

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Express 25% as a decimal. ? Answer: _____
2. Convert the decimal 0.08 into a percentage. ? Answer: _____
3. Express 7% as a decimal for a discount on a toy. Answer: _____
4. A shopkeeper gives a 0.50 part of a cake. What is this in %? Answer: _____
5. Convert 100% into a decimal value. ? Answer: _____
6. Change 0.1 into a percentage. ? Answer: _____
7. If Arjun scored 0.85 marks in a test, what is his percentage? Answer: _____
8. Express 1% as a decimal. ? Answer: _____
9. Convert 0.99 into a percentage. ? Answer: _____
10. Write 40% as a decimal to help Priya solve her homework. Answer: _____

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Level: Intermediate

1. Rahul spent 0.12 of his ₹100 pocket money. What % did he spend? Answer: _____
2. Express 12.5% as a decimal. ? Answer: _____
3. A bag is on sale for 0.45 off its original price. Express this as a %. Answer: _____
4. Convert 150% into a decimal. ? Answer: _____
5. In a village, 0.005 of the land is a park. What % is the park? Answer: _____
6. Express 6.25% as a decimal value. ? Answer: _____
7. Anila saved ₹0.75 for every ₹1 she earned. What % did she save? Answer: _____
8. Convert 0.025 into a percentage. ? Answer: _____
9. Write $\frac{3}{4}$ as a decimal and then as a percentage. Answer: _____
10. If a bank interest rate is 8.5%, write this as a decimal. Answer: _____

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Level: Advanced

1. Express 0.333... (recurring) as a percentage. Answer: _____
2. Convert $\frac{1}{8}$ to a decimal and then to a percentage. ? Answer: _____
3. The value of $\frac{?}{100}$ is roughly 0.0314. What % is this? Answer: _____
4. Express 0.00125 as a percentage. ? Answer: _____
5. If $x^2 = 0.16$, express 'x' as a percentage. Answer: _____
6. Convert 225% into a decimal. ? Answer: _____
7. A tax of 0.185 is applied to a bill of ?1000. What is the tax %? Answer: _____
8. Write ? = 45% as a decimal for a trigonometry project. Answer: _____
9. Convert 0.0007 into a percentage. Answer: _____
10. If a fruit grows by 1.05 times its size, what is the % increase? Answer: _____