

## 8. How to turn fractions into decimals



### Scenario Questions:

1. In a pizza party,  $\frac{1}{8}$  of the pizza is left. What is this fraction as a decimal?

2. A recipe calls for  $\frac{2}{5}$  cup of flour. What is this fraction as a decimal?

3. A tank is filled with water up to  $\frac{1}{6}$  of its capacity. What is this fraction as a decimal?

4. A student correctly answers 9 out of 10 questions on a test. What is this fraction as a decimal?

5. A store is offering a discount of  $\frac{1}{7}$  on all items. What is this fraction as a decimal?

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### Scenario Questions:

6. A marathon runner has completed  $\frac{3}{5}$  of the race. What is this fraction as a decimal?

7. A group of 9 friends shared a pizza equally. What is the fraction each friend received as a decimal?

8. A car traveled  $\frac{9}{20}$  of the total distance. What is this fraction as a decimal?

9. A cake recipe requires  $\frac{5}{6}$  of a cup of sugar. What is this fraction as a decimal?

10. A survey found that  $\frac{2}{25}$  of the participants preferred chocolate ice cream. What is this fraction as a decimal?

# 8. How to turn fractions into decimals



## Scenario Questions: **Answers**

1. In a pizza party,  $\frac{1}{8}$  of the pizza is left. What is this fraction as a decimal?

**1. 0.125**

2. A recipe calls for  $\frac{2}{5}$  cup of flour. What is this fraction as a decimal?

**2. 0.4**

3. A tank is filled with water up to  $\frac{1}{6}$  of its capacity. What is this fraction as a decimal?

**3. 0.167**

4. A student correctly answers 9 out of 10 questions on a test. What is this fraction as a decimal?

**4. 0.9**

5. A store is offering a discount of  $\frac{1}{7}$  on all items. What is this fraction as a decimal?

**5. 0.143**

6. A marathon runner has completed  $\frac{3}{5}$  of the race. What is this fraction as a decimal?

**6. 0.6**

7. A group of 9 friends shared a pizza equally. What is this fraction as a decimal?

**7. 0.111**

8. A car traveled  $\frac{9}{20}$  of the total distance. What is this fraction as a decimal?

**8. 0.45**

9. A cake recipe requires  $\frac{5}{6}$  cup of sugar. What is this fraction as a decimal?

**9. 0.833**

10. A survey found that  $\frac{2}{25}$  of the participants preferred chocolate ice cream. What is this fraction as a decimal?

**10. 0.08**