



Converting Fractions and Decimals

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. In Grade 5 math, what decimal is equivalent to the fraction $\frac{3}{8}$ when divided exactly?

- A) 0.375
- B) 0.38
- C) 0.625
- D) 0.83

2. A Grade 5 student divides 1 by 3 and finds the decimal continues forever. Which decimal best represents $\frac{1}{3}$?

- A) 0.13
- B) 0.3
- C) About 0.333 repeating
- D) 0.31

3. In Grade 5, which statement comparing 0.4 and $\frac{2}{5}$ is correct using equivalent fractions?

- A) 0.4 is greater
- B) 0.4 is less
- C) They are equal
- D) Cannot be compared

4. A Grade 5 student converts $\frac{5}{8}$ to a decimal using long division. What is the correct decimal value?

- A) 0.58
- B) 0.625
- C) 0.85
- D) 0.375

Part B: Fill in the Blank

Write the correct answer on each line.

1. In Grade 5, when a student divides 3 by 8 using long division on the worksheet, the terminating decimal answer is _____ exactly.

2. A Grade 5 learner converts $\frac{1}{3}$ using division and writes the repeating decimal answer rounded to thousandths as _____ approximately.

3. Grade 5 learners compare 0.4 and $\frac{2}{5}$ by converting $\frac{2}{5}$ to tenths; both equal _____ as a fraction with denominator ten.

4. When a Grade 5 student divides 5 by 8 carefully using long division steps, the resulting terminating decimal value is _____ exactly.

5. A Grade 5 student notices that $\frac{1}{3}$ produces a repeating decimal while $\frac{3}{8}$ produces a _____

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Part B: Fill in the Blank

Write the correct answer on each line.

1. In Grade 5, when a student divides 3 by 8 using long division on the worksheet, the terminating decimal answer is 0.375 exactly.
2. A Grade 5 learner converts $\frac{1}{3}$ using division and writes the repeating decimal answer rounded to thousandths as 0.333 approximately.
3. Grade 5 learners compare 0.4 and $\frac{2}{5}$ by converting $\frac{2}{5}$ to tenths; both equal $\frac{4}{10}$ as a fraction with denominator ten.
4. When a Grade 5 student divides 5 by 8 carefully using long division steps, the resulting terminating decimal value is 0.625 exactly.
5. A Grade 5 student notices that $\frac{1}{3}$ produces a repeating decimal while $\frac{3}{8}$ produces a terminating decimal that ends after a few digits.