



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, which fraction is equivalent to the decimal 0.875 in simplest form using long division?

- A) $7/8$
- B) $5/8$
- C) $3/4$
- D) $8/10$

2. A Grade 5 student compares 0.6 and $5/8$ carefully. Which statement is correct using decimal conversions?

- A) 0.6 is greater
- B) 0.6 is less
- C) They are equal
- D) Cannot tell

3. In Grade 5, which fraction produces a repeating decimal when converted using long division on a worksheet?

- A) $1/4$
- B) $3/8$
- C) $1/9$
- D) $7/10$

4. A Grade 5 student rewrites 0.4 and $2/5$ with a common denominator of 100. What is the resulting equivalent pair?

- A) $40/100$ and $40/100$
- B) $4/100$ and $25/100$
- C) $40/100$ and $25/100$
- D) $4/100$ and $40/100$

Part B: Fill in the Blank

Write the correct answer on each line.

1. In Grade 5, when a student divides 7 by 8 carefully using long division on the page, the resulting terminating decimal is _____ exactly.

2. A Grade 5 student converts $5/8$ to a decimal and uses it to compare with 0.6, finding $5/8$ equals _____ exactly in decimal form.

3. Grade 5 learners convert $1/9$ using long division and round to thousandths, writing the repeating decimal as _____ approximately.

4. When a Grade 5 student rewrites $2/5$ with denominator 100 to compare with 0.4, the equivalent fraction the student records is _____ exactly.

5. A Grade 5 student compares $3/4$ and 0.8 by converting $3/4$ to a decimal first; the decimal equivalent

Part A: Multiple Choice

Circle the best answer for each question.

1. In Grade 5 math, which fraction is equivalent to the decimal 0.875 in simplest form using long division?

- A) $7/8$
- B) $5/8$
- C) $3/4$
- D) $8/10$

2. A Grade 5 student compares 0.6 and $5/8$ carefully. Which statement is correct using decimal conversions?

- A) 0.6 is greater
- B) 0.6 is less
- C) They are equal
- D) Cannot tell

3. In Grade 5, which fraction produces a repeating decimal when converted using long division on a worksheet?

- A) $1/4$
- B) $3/8$
- C) $1/9$
- D) $7/10$

4. A Grade 5 student rewrites 0.4 and $2/5$ with a common denominator of 100. What is the resulting equivalent pair?

- A) $40/100$ and $40/100$
- B) $4/100$ and $25/100$
- C) $40/100$ and $25/100$
- D) $4/100$ and $40/100$

Part B: Fill in the Blank

Write the correct answer on each line.

1. In Grade 5, when a student divides 7 by 8 carefully using long division on the page, the resulting terminating decimal is 0.875 exactly.

2. A Grade 5 student converts $5/8$ to a decimal and uses it to compare with 0.6, finding $5/8$ equals 0.625 exactly in decimal form.

3. Grade 5 learners convert $1/9$ using long division and round to thousandths, writing the repeating decimal as 0.111 approximately.

4. When a Grade 5 student rewrites $2/5$ with denominator 100 to compare with 0.4, the equivalent fraction the student records is $40/100$ exactly.

5. A Grade 5 student compares $3/4$ and 0.8 by converting $3/4$ to a decimal first; the decimal equivalent recorded is 0.75 exactly.