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Module 4 Operations With Fractions Quiz B Answers PDF

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What is the reciprocal of 5/7?

◯ 7/5
◯ 5/7
◯ 1/5
◯ 1/7

Which of the following are equivalent to the fraction 3/4?

☐ 6/8
☐ 9/12
☐ 12/16
☐ 15/20

Explain the process of converting an improper fraction to a mixed number. Provide an example with your explanation.

What is the least common denominator of 1/4 and 1/6?

◯ 12
◯ 24
◯ 6
◯ 8

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Which of the following operations require finding a common denominator?

☐ Adding fractions
☐ Subtractting fractions
☐ Multiplying fractions
☐ Dividing fractions

Describe how you would solve a word problem involving the division of fractions. Use an example to illustrate your explanation.

What is the product of 2/3 and 3/4?

○ 1/2
○ 1/4
○ 1
○ 3/8

Which of the following fractions are greater than 1/2?

☐ 3/5
☐ 2/3
☐ 1/3
☐ 5/10

Explain the relationship between fractions and decimals. How would you convert a fraction to a decimal? Provide an example.

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Which fraction is equivalent to 0.75?

○ 3/4
○ 1/2
○ 2/3
○ 5/8

Which of the following are correct steps to convert 7/4 into a mixed number?

☐ Divide 7 by 4
☐ The quotient is the whole number part
☐ The remainder is the new numerator
☐ Keep the original denominator

Discuss the importance of simplifying fractions in mathematical operations. Provide examples to support your explanation.

What is the result of subtractincting 5/8 from 3/4?

○ 1/8
○ 1/4
○ 3/8
○ 1/2

Which of the following are correct when dividing fractions?

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☐ Multiply by the reciprocal of the divisor
☐ Find a common denominator
☐ Invert the second fraction
☐ Simplify the result

How can you use a number line to compare fractions? Provide a detailed explanation with an example.

What is the decimal equivalent of 1/5?

○ 0.2
○ 0.5
○ 0.25
○ 0.75

Which of the following fractions are in simplest form?

☐ 4/8
☐ 3/5
☐ 10/15
☐ 7/9

Describe a strategy for solving a complex fraction problem involving multiple operations. Use an example to illustrate your strategy.

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What is the sum of 1/4 and 2/5?

◯ 9/20
◯ 7/20
◯ 13/20
◯ 3/5

Which of the following are true about mixed numbers?

☐ They can be converted to improper fractions
☐ They are always greater than 1
☐ They consist of a whole number and a fraction
☐ They can be used in multiplication without conversion

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