

Fractions and Decimals Assessment

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This assessment is designed to evaluate students' understanding of fractions and decimals operations and applications. The assessment consists of four sections: multiple-choice questions, short-answer questions, a performance task, and a project-based question.

oose the co	rrect answer for	each question.			
1. What is	the decimal equ	valent of the fra	action 3/4?	 	
2. Which o	f the following f	actions is equiv	valent to 2/3?	 	
3. What is	the result of add	ing 1/2 and 1/4	l? 	 	
4 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				 	
4. WHAT IS	the result of sub			 	
5. What is	the result of mu	Page 1 of tiplying 1/2 and	f 4 d 3/4?	 	
6. What is	the result of divi	ding 3/4 by 1/2	?		

8. What is the	e result of adding 2	2/3 and 1/6?	 	
9 What is the	e result of subtract	ing 1/6 from 2/32	 	
9. Wilat is the			 	
O. What is the	e result of multiplyi	ng 2/3 and 3/4?	 	
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ารข	ver each question in complete sentences.
1	A recipe calls for 3/4 cup of sugar. If you want to make half the recipe, how much sugar will you need?
2	A shirt is on sale for 25% off its original price of \$25. How much will you pay for the shirt?
3	A bookshelf has 5 shelves, and each shelf can hold 3/4 of a meter of books. If the bookshelf is currently empty, how many meters of books can be placed on it?
4	A water tank can hold 3/4 of a liter of water. If 1/4 liter of water is already in the tank, how much more water can be added?
5	A bicycle travels 3/4 of a kilometer in 1/2 hour. How many kilometers will it travel in 1 hour?

Section 3: Performance Task

Page 1 of 4

Read the scenario and solve the problem.

Tom has 1 1/2 cups of flour and needs 2 3/4 cups to make a cake. How much more flour does Tom need to buy?

Section 4: Project-Based Question
Create a visual representation (e.g., graph, chart, diagram) to solve the problem.
Create a graph to show the cost of a monthly phone plan that charges \$25 per month plus 0.05 per text message. If you send 100 text messages per month, how much will your total bill be?
Additional Activities
Complete the following activities to reinforce your understanding of fractions and decimals.
Fractions and Decimals Word Search: Find the following fractions and decimals in the word search puzzle 1/2, 3/4, 2/3, 0.5, 0.25
Fractions and Decimals Matching Game: Match the following fractions with their decimal equivalents: 1/2 3/4, 2/3, 1/4, 0.5, 0.75, 0.25, 0.33

Answer Key

Use the answer key to check your work.

Section 1: Multiple Choice Questions

- 1. 1. C) 0.75
- 2. 2. A) 4/6
- 3. 3. C) 3/4
- 4. 4. A) 1/2
- 5. 5. B) 1/2
- 6. 6. C) 3/2
- 7. 7. B) 0.4
- 8. 8. C) 3/4
- 9. 9. A) 1/2
- 10. 10. C) 3/2

Section 2: Short Answer Questions

- 1. 1. 3/8 cup
- 2. 2. \$18.75
- 3. 3. 3 3/4 meters
- 4. 4. 1/2 liter
- 5. 5. 1 1/2 kilometers

Section 3: Performance Task

Tom needs to buy 1 1/4 cups of flour.

Section 4: Project-Based Question

The total bill will be \$30.