

## Section 1: Foundation Level

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Answer the following questions:

1. Identify the equivalent fraction for  $\frac{1}{2}$ :

- A)  $\frac{2}{4}$
- B)  $\frac{3}{4}$
- C)  $\frac{1}{4}$
- D)  $\frac{2}{3}$

2. Convert the decimal 0.5 to a fraction:

3. A recipe calls for  $\frac{1}{4}$  cup of sugar. If you want to make half the recipe, how much sugar will you need?

## Section 1: Foundation Level (Continued)

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Answer the following questions:

4. Identify the equivalent fraction for  $\frac{3}{4}$ :

- A)  $\frac{6}{8}$
- B)  $\frac{9}{12}$
- C)  $\frac{1}{2}$
- D)  $\frac{2}{3}$

5. Convert the decimal 0.25 to a fraction:

## Section 2: Core Level

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Answer the following questions:

1. Which of the following fractions is equal to 0.75?

- A)  $\frac{1}{2}$
- B)  $\frac{3}{4}$
- C)  $\frac{2}{3}$
- D)  $\frac{1}{3}$

2. Convert the fraction  $\frac{3}{4}$  to a decimal:

3. A water tank can hold  $\frac{3}{4}$  of a liter of water. If  $\frac{1}{2}$  liter of water is already in the tank, how much more water can be added?

## Section 2: Core Level (Continued)

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Answer the following questions:

4. Which of the following fractions is equal to 0.5?

- A)  $\frac{1}{2}$
- B)  $\frac{1}{4}$
- C)  $\frac{3}{4}$
- D)  $\frac{2}{3}$

5. Convert the fraction  $\frac{2}{3}$  to a decimal:

### Section 3: Extension Level

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Answer the following questions:

1. A bakery sells  $\frac{1}{2}$  kg of bread for £1.50. How much will  $\frac{3}{4}$  kg of bread cost?

2. Explain the difference between a fraction and a decimal, and provide an example of when you would use each:

3. A group of friends want to share some candy equally. If they have  $2\frac{3}{4}$  kg of candy and there are 5 friends, how much candy will each friend get?

### Section 3: Extension Level (Continued)

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*Answer the following questions:*

4. A car travels  $\frac{3}{4}$  of a mile in 2 minutes. How far will it travel in 5 minutes?

5. Explain how to convert a mixed number to an improper fraction:

## Section 4: Mixed Ability Differentiation

Answer the following questions:

### Foundation:

1. Identify the equivalent fraction for  $\frac{3}{4}$ :

- A)  $\frac{6}{8}$
- B)  $\frac{9}{12}$
- C)  $\frac{1}{2}$
- D)  $\frac{2}{3}$

2. Convert the decimal 0.25 to a fraction:

### Core:

3. Which of the following fractions is equal to 0.5?

- A)  $\frac{1}{2}$
- B)  $\frac{1}{4}$
- C)  $\frac{3}{4}$
- D)  $\frac{2}{3}$

4. Convert the fraction  $\frac{2}{3}$  to a decimal:

### Extension:

5. A car travels  $\frac{3}{4}$  of a mile in 2 minutes. How far will it travel in 5 minutes?

6. Explain how to convert a mixed number to an improper fraction:

## Section 5: Word Problems

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Answer the following questions:

1. A bookshelf has 5 shelves, and each shelf can hold  $\frac{3}{4}$  of a meter of books. If the bookshelf is currently empty, how many meters of books can be placed on it in total?

2. A recipe calls for  $2\frac{1}{4}$  cups of flour. If you want to make half the recipe, how much flour will you need?

3. A group of friends want to share some money equally. If they have £3  $\frac{1}{2}$  and there are 4 friends, how much money will each friend get?



## Conclusion

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### Individual Reflection:

1. What was the most challenging part of this assessment for you?

2. What did you learn about fractions and decimals during this assessment?

3. How will you apply what you learned to real-world problems?

