Class 3 Fraction Worksheet
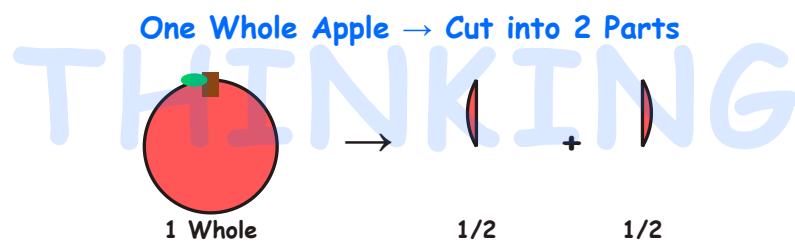
Thinking Juggernaut

🎯 Introduction to Fractions

What is a Fraction?

A fraction means a part of something. When you share something equally, each part is called a fraction!

Example: If you cut an apple into 2 equal parts and take 1 part, you have taken **one-half** or **1/2** of the apple.

One Whole Apple → Cut into 2 Parts

1 Whole   1/2   1/2

Learn These Simple Fractions:

- 🍕 **One-half** = **1/2** (1 part out of 2 equal parts)
- 🍰 **One-third** = **1/3** (1 part out of 3 equal parts)
- 🍫 **One-fourth** = **1/4** (1 part out of 4 equal parts)

📝 Sample Problem

Problem: A pizza is cut into 4 equal slices. Riya eats 1 slice. What fraction of the pizza did she eat?

Pizza cut into 4 equal slices
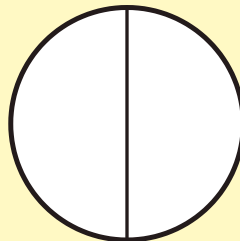

Riya ate this

Solution:

Total slices = 4

Slices Riya ate = 1

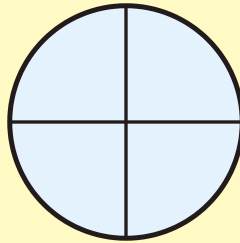Answer: Riya ate $\dfrac{1}{4}$ (one-fourth) of the pizza! 🍕

Part A: Warm-up Questions

⭐ Easy Level

1. Color half (1/2) of the circle:

Color one part to show 1/2

2. How many parts is this circle divided into?

Number of parts = _____

3. True or False: This shows one-half (1/2)

○ True   ○ False

4. What fraction is shaded?

Answer: _____

5. Draw a line to divide this rectangle into 2 equal parts:

6. Match the pictures with fractions:

Column A - Pictures	Column B - Fractions
a) Circle divided into 2 parts	i) 1/4
b) Circle divided into 3 parts	ii) 1/2
c) Circle divided into 4 parts	iii) 1/3

Write your answers: a-____, b-____, c-____

7. Color 1/4 (one-fourth) of this shape:

Color 1 part out of 4 parts

8. Fill in the blank: One-third is written as _____

Part B: Practice Questions

⭐⭐ Medium Level

9. A cake is cut into 2 equal pieces. Aman eats 1 piece. What fraction did he eat?

2 equal pieces

Aman ate _____ of the cake

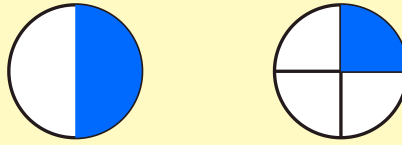**10.** Look at the fruits. What fraction are oranges?

Total 3 fruits

Oranges are _____ of all fruits

11. True or False: 1/2 is bigger than 1/4

Compare the shaded parts

1/2   1/4

○ True   ○ False

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12. A chocolate bar has 4 pieces. Neha ate 2 pieces. What fraction did she eat?

✓ ✓ ▢ ▢

Neha ate _____ of the chocolate

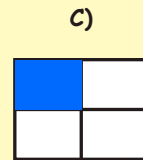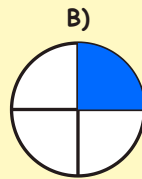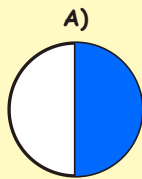**13.** Shade 1/3 (one-third) of the stars:

☆ ☆ ☆

Shade 1 star out of 3 stars

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14. What fraction of the ribbon is red?

Red is _____ of the ribbon

15. Circle the correct answer: Which is one-fourth?
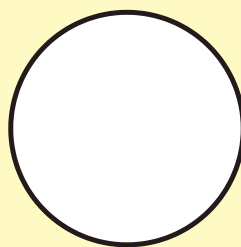
A)   B)   C)

Answer: _____

16. A watermelon is cut into 4 equal parts. Ravi took 1 part. What fraction did he take?

Ravi took _____ of the watermelon

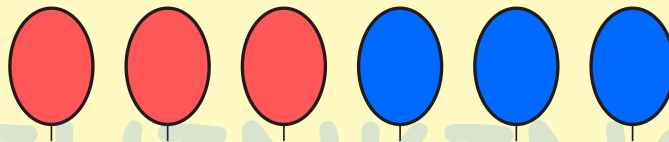**17.** Draw lines to divide this circle into 4 equal parts:

18. Fill in the blank: One-half is the same as _____ out of 2 equal parts.

Answer: _____

Part C: Challenge Questions

⭐⭐⭐ Hard Level

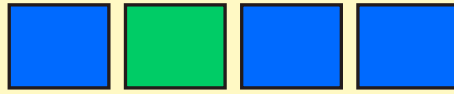**19.** Sara has 6 balloons. Half of them are red. How many red balloons does she have?

Red balloons = _____

20. A garden has 3 equal parts. 1 part has roses, 1 part has sunflowers, and 1 part has tulips. What fraction has roses?

🌹 Roses   🌼 Sunflowers   🌷 Tulips

Roses are _____ of the garden

21. Look at the colored boxes. What fraction is NOT blue?

Not blue = _____ of all boxes

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22. Rani has 4 pencils. She gives 2 pencils to her friend. What fraction did she give away? What fraction does she have left?
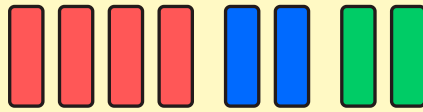
Given ✓   Given ✓

Gave away: _____
Has left: _____

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23. A rope is 6 meters long. It is cut into 3 equal parts. How long is each part?

Part 1   Part 2   Part 3

Total = 6 meters

Each part = _____ meters

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24. There are 8 crayons in a box. 4 are red, 2 are blue, and 2 are green. What fraction are red? What fraction are blue?

Red crayons = _____
Blue crayons = _____

🔑 Answer Key

Part A: Warm-up Questions

1. Color one-half of the circle (student should color 1 part out of 2)

2. 4 parts

3. True (one part out of two equal parts is shaded)

4. 1/3 (one part out of three parts is shaded)

5. Draw a line dividing the rectangle into 2 equal parts (student should draw one line)

6. a-ii (1/2), b-iii (1/3), c-i (1/4)

7. Color 1 part out of 4 parts (student should color one square)

8. 1/3

Part B: Practice Questions

9. 1/2 (Aman ate one-half of the cake)

10. 2/3 (2 oranges out of 3 total fruits)

11. True (1/2 is bigger than 1/4)

12. 2/4 or 1/2 (Neha ate 2 pieces out of 4)

13. Shade 1 star out of 3 stars (student should shade one star)

14. 1/2 (half of the ribbon is red)

15. B (option B shows one-fourth correctly)

16. 1/4 (Ravi took one-fourth of the watermelon)

17. Draw 2 lines to make 4 equal parts (student should draw lines)

18. 1 (one out of 2 equal parts)

Part C: Challenge Questions

19. 3 red balloons (half of 6 = 3)

20. 1/3 (roses are one-third of the garden)

21. 1/4 (1 box out of 4 is not blue)

22. Gave away: 2/4 or 1/2, Has left: 2/4 or 1/2

23. 2 meters (6 ÷ 3 = 2 meters per part)

24. Red crayons = 4/8 or 1/2, Blue crayons = 2/8 or 1/4

📊 Scoring Guide & Next Steps

Total Questions: 24 | Total Marks: 24

Score Range	Performance Level	What to Practice Next

20-24	⭐⭐⭐ Excellent!	**You're ready for:** • Learning about halves of bigger numbers (1/2 of 10, 1/2 of 20) • Comparing more fractions (1/2, 1/3, 1/4) • Drawing your own fraction pictures • Class 4 fraction worksheets with harder problems
15-19	⭐⭐ Very Good!	**Focus on:** • Practice recognizing 1/2, 1/3, 1/4 in different shapes • Draw pictures showing these fractions on paper • Find things at home to divide (cut fruits, share biscuits) • Do 5 easy fraction problems every day for one week
10-14	⭐ Good Effort!	**Practice these skills:** • Start with only 1/2 (halves) for 3-4 days • Draw circles and rectangles, divide them into 2 parts • Color half of different shapes every day • Then learn 1/3 and 1/4 one by one • Ask parents to cut apples/oranges and show you halves
0-9	Keep Trying!	**Start from basics:** • Learn what "equal parts" means - cut paper into same size pieces • Practice only "half" (1/2) for one full week • Color half of 10 different pictures at home • Share things equally with family members • Use real objects: share 2 biscuits, 4 toffees with a friend • Watch simple fraction videos with parents

📚 Detailed Learning Path by Topic

If you struggled with Questions 1-8 (Understanding Halves & Basic Fractions):

- ✏️ Take 5 pieces of paper - draw circles, squares, rectangles on each
- ✂️ Cut each shape into 2 equal parts with a parent's help
- 🎨 Color one part and say "This is one-half" loudly 10 times
- 🍎 Ask parents to cut fruits into halves and show you
- 📖 Practice writing 1/2 ten times every day
- 🎯 Look around your home - find things that are halves (half glass of water, half sandwich)

If you struggled with Questions 9-18 (Recognizing Fractions in Pictures):

- 🖍️ Draw 3 pictures every day showing 1/2, 1/3, and 1/4
- 🍕 Use pizza pictures - divide and color different fractions

- 📐 Practice drawing lines to divide shapes into equal parts
- 🎨 Color fraction worksheets from books or printed pages
- 👀 Compare fractions - which is bigger? 1/2 or 1/4? Draw to see!
- 🏠 Find real examples: "Mom, is this half of the cake?"

If you struggled with Questions 19-24 (Word Problems & Real Life):

- 🎈 Use real objects - 6 pencils, take half, count how many
- 🍬 Share candies with friends - "I have 8 toffees, give 1/2 to my friend"
- 📊 Draw the problem first, then solve (if problem says 4 pencils, draw 4 pencils)
- 🗣 Read word problems aloud slowly, act them out with toys
- ♟ Practice simple division: half of 6 = 6÷2 = 3
- 👨‍👩‍👧‍👦 Ask parents to create simple fraction stories at home

✨ **Wonderful Job Completing This Worksheet!** ✨

You are learning fractions - this is a big achievement! Keep practicing! 🎉

🔥 Download more worksheets at thinkingjuggernaut.in
📖 Show this worksheet to your parents and teachers!
🎨 Draw your own fraction pictures and share with friends!

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