

Class 4 Fractions Worksheet with Answers

Thinking Juggernaut

Name: _____

Date: _____

Total Marks: 24

Understanding Fractions

What is a Fraction?

A fraction represents a part of a whole. When we divide something into equal parts, each part is a fraction of the whole.

Parts of a Fraction:

- **Numerator** - The top number (shows how many parts we have)
- **Denominator** - The bottom number (shows total equal parts)

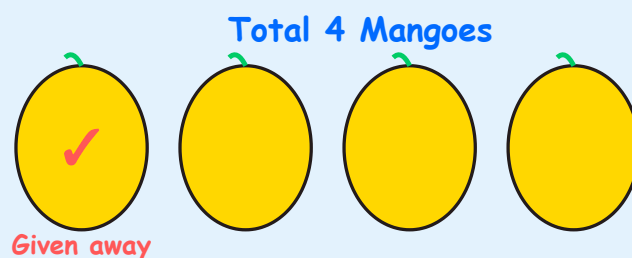
Example: $\frac{1}{2}$ means 1 part out of 2 equal parts (one-half)

Common Fractions:

- **One-half**: $\frac{1}{2}$ (1 part of 2)
- **One-third**: $\frac{1}{3}$ (1 part of 3)
- **One-fourth**: $\frac{1}{4}$ (1 part of 4)

Sample Problem

Problem: Rahul has 4 mangoes. He gives 1 mango to his friend. What fraction of mangoes did he give away? What fraction does he have left?



Solution:

Total mangoes = 4

Mangoes given away = 1

Fraction given away = $\frac{1}{4}$ (one-fourth)

Mangoes left = $4 - 1 = 3$

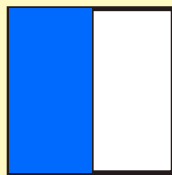
Fraction left = $\frac{3}{4}$ (three-fourths)

Answer: Rahul gave $\frac{1}{4}$ of the mangoes. He has $\frac{3}{4}$ left! 🥭

Part A: Warm-up Questions

★ Easy Level

1. What fraction of the square is shaded?



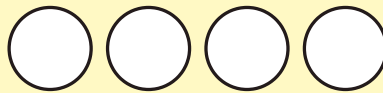
Answer: _____

2. Write the fraction for "one-third": _____

3. In the fraction $\frac{3}{5}$, which number is the numerator?

Answer: _____

4. Color $\frac{1}{4}$ of the circles below:



How many circles should you color? _____

5. True or False: $\frac{1}{2}$ means one part out of two equal parts.

☐ True ☐ False

6. What fraction of the rectangle is colored?



Answer: _____

7. Match the fractions with their names:

Column A	Column B
a) $\frac{1}{2}$	i) One-fourth
b) $\frac{1}{4}$	ii) One-half
c) $\frac{1}{3}$	iii) One-third

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

8. Fill in the blank: In $\frac{2}{7}$, the denominator is ____.

THINKING

Part B: Practice Questions

☆☆ Medium Level

JUGGERNAUT

9. Sita has a ribbon 12 cm long. She cuts it into 3 equal parts. What is the length of each part?



Each part = ____ cm

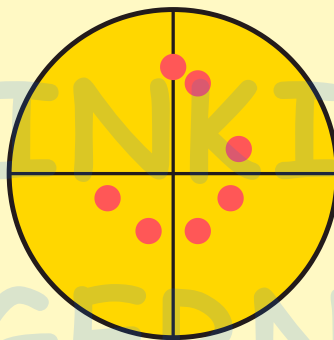
10. Which is larger: $\frac{1}{2}$ or $\frac{1}{4}$? Draw circles to show your answer.

Larger fraction: _____

11. A chocolate bar has 8 pieces. Amit ate 2 pieces. What fraction did he eat?

Answer: _____

12. Look at the pizza. What fraction has no toppings?



Total slices = 4

Answer: _____

13. Write three-fourths as a fraction: _____

14. True or False: $\frac{2}{3}$ means 2 parts out of 3 equal parts.

☐ True ☐ False

15. A garden is divided into 5 equal parts. 2 parts have roses. What fraction has roses?



Answer: _____

16. Arrange in order from smallest to largest: $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$

_____ < _____ < _____

17. A cake is cut into 6 equal slices. Priya ate 1 slice. What fraction is left?

Fraction left: _____

18. Shade $\frac{2}{3}$ of the stars:



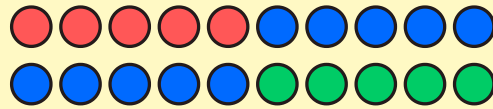
How many stars should you shade? _____

Part C: Challenge Questions

☆☆☆ Hard Level

19. Ravi has 20 marbles. $\frac{1}{4}$ of them are red. How many red marbles does he have?

Total 20 Marbles

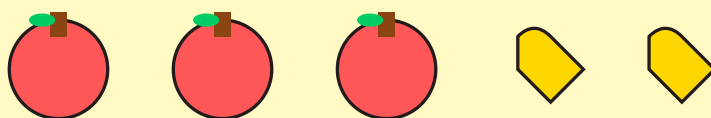


Red marbles = _____

20. A class has 24 students. $\frac{1}{3}$ are wearing blue shirts. How many are wearing blue shirts?

Blue shirts = _____

21. Look at the fruits. What fraction are apples?



Total fruits = 5

Apples = _____, Total fruits = _____, Fraction = _____

22. A parking lot has 16 cars. $\frac{1}{2}$ are white. How many cars are white?

White cars = _____

23. Meera walked $\frac{1}{4}$ of the way to school which is 2 km. How far is her school from home?

 Home

 School

$$\frac{1}{4} = 2 \text{ km}$$

$$\frac{1}{4} = ?$$

$$\frac{1}{4} = ?$$

$$\frac{1}{4} = ?$$

Total distance = _____ km

24. A book has 40 pages. Anjali has read $\frac{1}{5}$ of the book. How many pages has she read? How many pages are left?

Pages read = _____

Pages left = _____



Answer Key

Part A: Warm-up Questions

1. $\frac{1}{2}$ (one-half of the square is shaded)

2. $\frac{1}{3}$

3. 3 (the numerator is the top number)

4. 1 circle ($\frac{1}{4}$ of 4 circles = 1 circle)

5. True

6. $\frac{1}{3}$ (1 part out of 3 parts is colored)
7. a-ii (one-half), b-i (one-fourth), c-iii (one-third)
8. 7 (the denominator is the bottom number)

Part B: Practice Questions

9. 4 cm ($12 \div 3 = 4$ cm per part)
10. $\frac{1}{2}$ is larger ($\frac{1}{2} = \frac{2}{4}$, which is bigger than $\frac{1}{4}$)
11. $\frac{2}{8}$ or $\frac{1}{4}$ (2 pieces out of 8 total)
12. $\frac{1}{4}$ (1 slice out of 4 has no toppings)
13. $\frac{3}{4}$
14. True
15. $\frac{2}{5}$ (2 parts out of 5 have roses)
16. $\frac{1}{4} < \frac{1}{3} < \frac{1}{2}$ (smaller denominator = larger fraction)
17. $\frac{5}{6}$ ($6 - 1 = 5$ slices left out of 6)
18. 2 stars ($\frac{2}{3}$ of 3 stars = 2 stars)

Part C: Challenge Questions

19. 5 red marbles ($\frac{1}{4}$ of 20 = $20 \div 4 = 5$)
20. 8 students ($\frac{1}{3}$ of 24 = $24 \div 3 = 8$)
21. Apples = 3, Total = 5, Fraction = $\frac{3}{5}$
22. 8 white cars ($\frac{1}{2}$ of 16 = $16 \div 2 = 8$)
23. 8 km (if $\frac{1}{4} = 2$ km, then $\frac{4}{4} = 2 \times 4 = 8$ km)

24. Pages read = 8 ($\frac{1}{5}$ of 40 = 8), Pages left = 32 ($40 - 8 = 32$)



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: <ul style="list-style-type: none"> • Adding fractions with same denominators ($\frac{2}{5} + \frac{1}{5}$) • Subtracting simple fractions ($\frac{3}{4} - \frac{1}{4}$) • Converting improper fractions to mixed numbers • Class 5 fraction worksheets
15-19	 Very Good!	Focus on: <ul style="list-style-type: none"> • Finding fractions of larger numbers ($\frac{1}{4}$ of 20, $\frac{1}{3}$ of 30) • Comparing fractions with different denominators • Practice more word problems with real-life objects • Review questions you got wrong and try similar problems
10-14	 Good Effort!	Practice these skills: <ul style="list-style-type: none"> • Draw pictures to represent fractions (circles, rectangles) • Practice identifying numerator and denominator daily • Work on comparing simple fractions ($\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$) • Do 5 basic fraction problems every day for 2 weeks • Use real objects: cut fruits, share chocolates with family
0-9	Keep Trying!	Start with basics: <ul style="list-style-type: none"> • Understand "part of a whole" concept using pizza/cake pictures • Practice reading fractions aloud ($\frac{1}{2}$ = one-half) • Learn to identify top number (numerator) and bottom number (denominator) • Practice only $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ for one week with visual aids • Ask your teacher/parent to explain using real objects • Watch fraction videos for kids (ask parent for help)








Detailed Learning Path by Topic






If you struggled with Questions 1-8 (Basic Identification):

-  Draw and color 10 different fractions on paper ($\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{3}$, $\frac{3}{4}$)
-  Cut paper circles into 2, 3, 4 parts and label each part
-  Practice writing fraction names in words and numbers
-  Play "Fraction Matching" - match fraction numbers to pictures

If you struggled with Questions 9-18 (Comparing & Understanding):

-  Practice comparing fractions using pictures - draw two fractions and see which is bigger
-  Use a ruler to divide ribbons/strings into equal parts
-  Share chocolates/biscuits with family to understand "parts of a whole"
-  Do 5 word problems daily using objects around you (books, pencils, fruits)
-  Remember: In fractions like $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ - smaller bottom number = BIGGER fraction


If you struggled with Questions 19-24 (Challenge Problems):

-  Practice finding fractions of numbers: $\frac{1}{2}$ of 10, $\frac{1}{3}$ of 12, $\frac{1}{4}$ of 20
-  Create a fraction chart showing $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$ of numbers 10, 12, 15, 20
-  Remember the trick: " $\frac{1}{4}$ of 20" means divide 20 by 4
-  Solve real-life problems: "If I have 30 marbles and give $\frac{1}{3}$ to my friend..."
-  Master division facts ($\div 2$, $\div 3$, $\div 4$, $\div 5$) as they help with fractions

✨ Great Job Completing This Worksheet! ✨

Practice makes perfect! Keep working with fractions daily.

 Download more worksheets at thinkingjuggernaut.in

 Share your score with your teacher or parents!



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