

Class 5 Percentage Worksheet with Answers

Thinking Juggernaut

Name: _____

Date: _____

Total Marks: 24

🎯 What is Percentage?

Percentage means "out of 100"

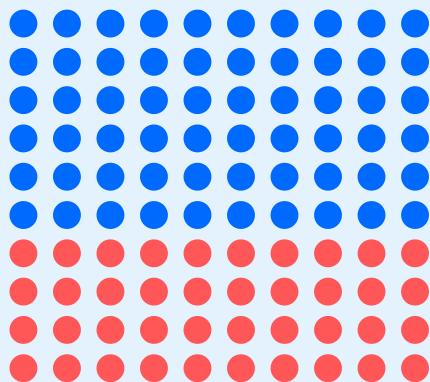
The symbol for percentage is %

When we say 50%, it means 50 out of 100 parts.



Sample Problem

Problem: In a class of 100 students, 60 are girls. What percentage of students are girls?



Total: 100 Students

Blue dot: Girls: 60

Red dot: Boys: 40

60 out of 100 = 60%

Solution:

Total students = 100

Number of girls = 60

Percentage of girls = $(60/100) \times 100 = 60\%$

Answer: 60% of students are girls! 😊

Key Points:

- Percent = Per Cent = "Per Hundred"
- 100% means the whole or complete (100 out of 100)
- 50% means half (50 out of 100)
- 25% means one quarter (25 out of 100)

Converting Fraction to Percentage:

To convert a fraction to percentage, multiply by 100

Example: $\frac{1}{2} = (\frac{1}{2}) \times 100 = 50\%$

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Part A: Warm-up Questions

★ Easy Level

1. What does percentage mean?

2. Fill in the blank: $100\% = \underline{\hspace{2cm}}$ out of 100

3. True or False: 50% means half of something

True False

4. Look at the picture. What percentage of boxes are shaded?



_____ out of 10 = _____ %

THINKING

5. Convert to percentage: $1/4 =$ _____ %

JUGGERNAUT

6. Fill in the blank: 75 out of 100 = _____ %

7. Which is greater? Circle the correct answer.

50% OR 25%

8. True or False: 0% means nothing or zero

True False

Part B: Practice Questions

★★ Medium Level

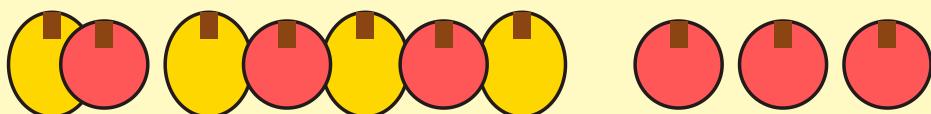
9. A cricket team played 100 matches. They won 65 matches. What percentage of matches did they win?

10. Match Column A with Column B:

Column A	THINKING	Column B
a) $1/2$		i) 25%
b) $1/4$		ii) 75%
c) $3/4$		iii) 50%

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

11. Look at the picture. What percentage of fruits are mangoes?

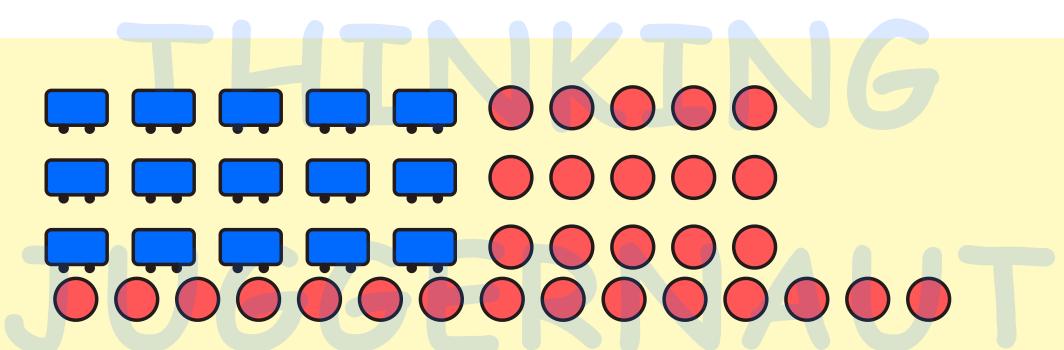


4 mangoes out of 10 fruits = _____%

12. Ravi scored 80 marks out of 100 in Mathematics. What is his percentage?

13. Convert $1/2$ to percentage.

14. A shop has 50 toys. 15 toys are cars. What percentage of toys are cars?



15. Fill in the blank: 20 out of 100 = _____%

16. True or False: $3/4 = 75\%$

True False

17. In a basket of 200 apples, 30 are rotten. What percentage of apples are good?

18. What is 10% of 100?

THINKING

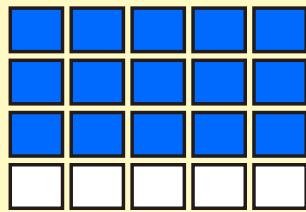
Part C: Challenge Questions

★★★ Hard Level

19. A school has 200 students. 50% are boys. How many boys are there in the school?

20. Priya's bag has 20 books. If 25% of the books are storybooks, how many storybooks does she have?

21. Look at the shaded portion. What percentage is shaded?



_____ out of 20 squares = _____%

22. A farmer has 50 chickens. 20% are black chickens. How many black chickens does the farmer have?

23. If Amit answers 18 questions correctly out of 20 questions, what percentage did he get correct?

A horizontal row of 20 green checkmarks, followed by a single red X at the end.

18 correct out of 20 total = _____%

24. A library has 300 books. 100 books are storybooks. What percentage of books are storybooks?

| Answer Key

Part A: Warm-up Questions

1. Percentage means "out of 100" or "per hundred"

2. 100

3. True

4. $2 \text{ out of } 10 = 20\%$

5. $25\% (1/4 \times 100 = 25\%)$

6. 75%

7. 50% is greater

8. True

Part B: Practice Questions

9. $65\% (65 \text{ out of } 100 = 65\%)$

10. a-iii (50%), b-i (25%), c-ii (75%)

11. $40\% (4 \text{ out of } 10 = 40\%)$

12. 80%

13. 50% ($1/2 \times 100 = 50\%$)

14. 30% (15 out of 50 = 30 out of 100 = 30%)

15. 20%

16. True ($3/4 \times 100 = 75\%$)

17. 85% ($200 - 30 = 170$ good apples, $170/200 \times 100 = 85\%$)

18. 10 (10% of 100 = $10/100 \times 100 = 10$)

Part C: Challenge Questions

19. 100 boys (50% of 200 = $50/100 \times 200 = 100$)

20. 5 storybooks (25% of 20 = $25/100 \times 20 = 5$)

21. 75% (15 out of 20 = $15/20 \times 100 = 75\%$)

22. 10 black chickens (20% of 50 = $20/100 \times 50 = 10$)

23. 90% ($18/20 \times 100 = 90\%$)

24. 33.33% or approximately 33% ($100/300 \times 100 = 33.33\%$)

Scoring Guide

Total Questions: 24 | Total Marks: 24

Score Range	Performance Level	What to Do Next
20-24	★★★ Excellent!	You're a percentage master! Try harder problems.
15-19	★★ Very Good!	Great job! Practice a bit more to become perfect.

10-14	⭐ Good Effort!	Keep practicing percentage conversions. You're improving!
0-9	Keep Trying!	Don't worry! Practice more and ask for help.

📌 **Tips for Improvement:**

- Remember: Percentage means "out of 100"
- To convert fraction to percentage, multiply by 100
- $50\% = 1/2$, $25\% = 1/4$, $75\% = 3/4$
- 100% means the whole thing
- Practice finding percentages of simple numbers daily

✨ **Great Job Completing This Worksheet!** ✨

Keep practicing and you'll become a math champion!

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