

Class 5 Percentage Worksheet with Answers

Thinking Juggernaut

Name: _____

Date: _____

Total Marks: 24

What is Percentage?

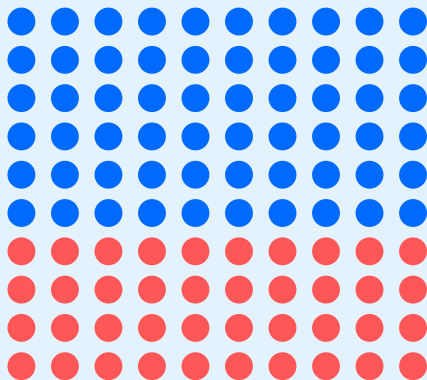
Percentage means "out of 100"

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

 Girls: 60

 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% = ____ 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 = _____%

5. Convert to percentage: $\frac{1}{4}$ = _____%

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

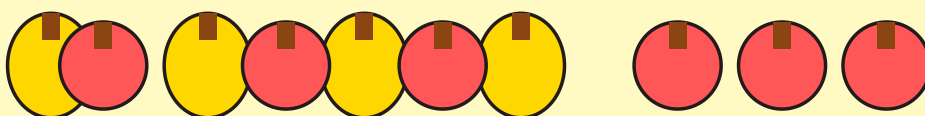
9. A cricket team played 100 matches. They won 65 matches. What percentage of matches did they win?

10. Match Column A with Column B:

Column A	Column B
a) $\frac{1}{2}$	i) 25%
b) $\frac{1}{4}$	ii) 75%
c) $\frac{3}{4}$	iii) 50%

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

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

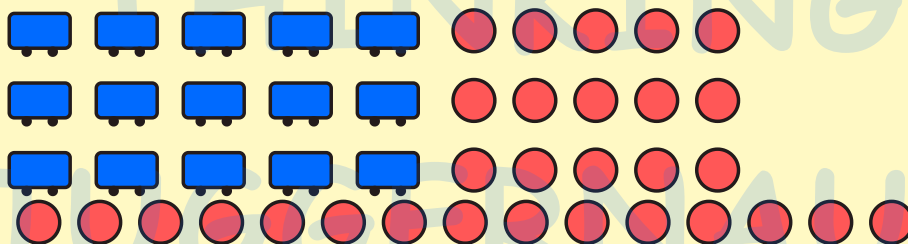


4 mangoes out of 10 fruits = ____%

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

13. Convert $\frac{1}{2}$ to percentage.

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



15 cars out of 50 toys

Hint: Convert to "out of 100" first

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

16. True or False: $\frac{3}{4} = 75\%$

☐ True ☐ False

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

18. What is 10% of 100?

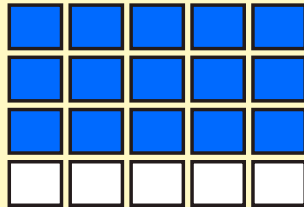
Part C: Challenge Questions

☆☆☆ 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?

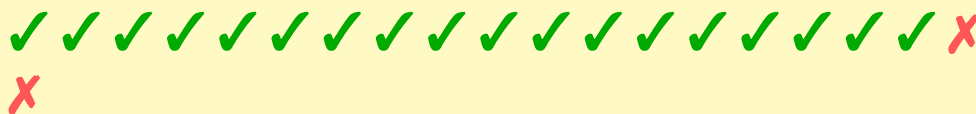
21. Look at the shaded portion. What percentage is shaded?



_____ 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?



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 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 out of 100 = 65%)

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

11. 40% (4 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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THINKING

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