

4.2 Percent of a Number

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To find the percent of a number, write the percent as a decimal and then multiply by the number.

$$32\% \text{ of } 300 = 0.32 \times 300 \\ = 96$$

Calculate.

1. 5% of 45 _____
2. 25% of 524 _____
3. 10% of 125 _____
4. 75% of 32 _____
5. 40% of 88 _____
6. 95% of 80 _____

Calculate.

7. 2.5% of 200 _____
8. 67.5% of 400 _____
9. 22.5% of 90 _____
10. 12.5% of 60 _____
11. 1.25% of 500 _____
12. 45.75% of 1000 _____

Calculate each amount to the nearest cent.

13. 45% of \$90.00 _____
14. 3% of \$14.25 _____
15. 65% of \$135.00 _____
16. 22% of \$624.00 _____
17. 3.5% of \$48.00 _____
18. 8.5% of \$128.00 _____

Insert >, <, or = to make each statement true.

19. 8% of 140 80% of 14
20. 15% of 300 25% of 200
21. 40% of 9 45% of 8
22. 23% of 200 36% of 150

Calculate each quantity.

23. 8% of 1200 L _____
24. 40% of 350 g _____
25. 4.5% of 2000 kg _____
26. 18% of 45 t _____
27. Some milk contains 1% butter fat. How many millilitres of butter fat are there in 4 L of this milk?

28. The area of Lake Erie is about 31% of the area of Lake Superior. The area of Lake Superior is 82 100 km². What is the area of Lake Erie?

29. Margaret estimated that she saved 8% of her net annual salary. She earned \$42 700 last year. How much did she save?

30. A concert hall has a capacity of 4590 audience members. How many people are in the hall when it is 80% full?
