

Percentage of a Given Quantity



Use the diagram to find the missing amount, then answer without a diagram.

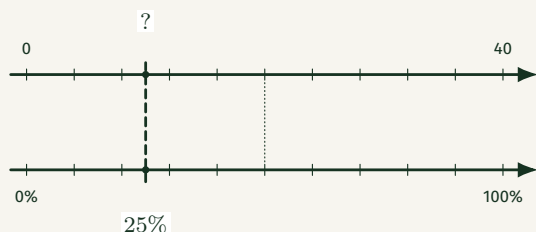
Name _____

Date _____

Show your method

Write the percentage as a decimal, then multiply it by the quantity. Convert a percentage above 100% or with a decimal point the same way.

Worked example Find 25% of 40.



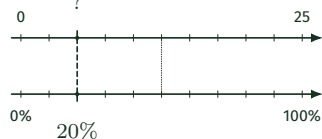
Decimal: $25\% = 0.25$

Multiply: $0.25 \times 40 = 10$

So 25% of 40 is 10.

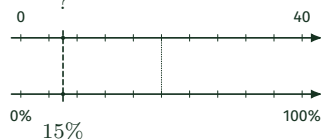
1. Find the missing amount marked ?.

Solution: 20% of 25 = 5



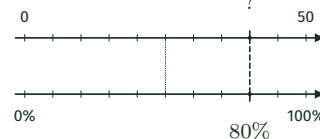
2. Find the missing amount marked ?.

Solution: 15% of 40 = 6



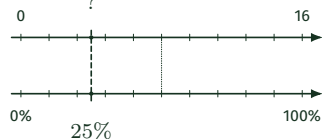
3. Find the missing amount marked ?.

Solution: 80% of 50 = 40



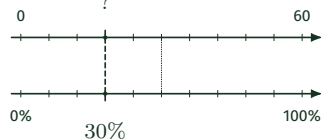
4. Find the missing amount marked ?.

Solution: 25% of 16 = 4



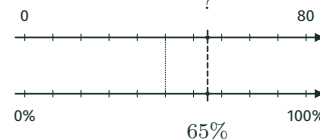
5. Find the missing amount marked ?.

Solution: 30% of 60 = 18



6. Find the missing amount marked ?.

Solution: 65% of 80 = 52



7. Find 10% of 70.

Solution: 7

8. Find 50% of 84.

Solution: 42

9. Find 75% of 32.

Solution: 24

Percentage of a Given Quantity (continued)

Solutions: apply the method to money contexts.



Name _____

Date _____

10. Find 20% of 45.

Solution: 9

11. Find 35% of 160.

Solution: 56

12. Find 4% of 250.

Solution: 10

13. GST is 15%. Find the GST on a \$60 item.

Solution: \$9

14. Find the simple interest earned on \$400 invested at 5% per year for 2 years.

Solution: \$40

15. A \$70 jacket is discounted by 30%. Find the discount amount.

Solution: \$21

16. Find the simple interest earned on \$900 invested at 6% per year for 3 years.

Solution: \$162

17. An item's price before GST is \$140. GST is 15%. Find the amount of GST added.

Solution: \$21

18. A wholesaler adds a 40% markup to a \$85 cost price. Find the markup amount.

Solution: \$34