

Forming Percentages



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

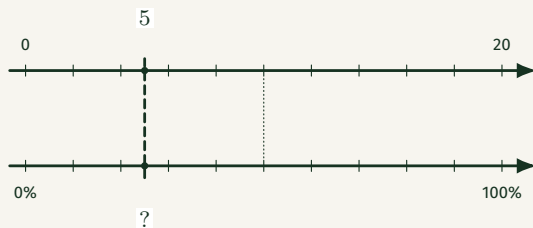
Name _____

Date _____

Show your method

Write the part over the whole as a fraction, then divide to get a decimal, then multiply by 100 for the percentage. Convert units so the part and whole match before dividing.

Worked example Write 5 out of 20 as a percentage.

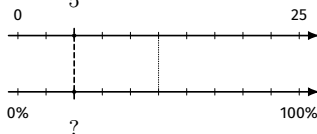


Fraction: $\frac{5}{20} = \frac{1}{4}$

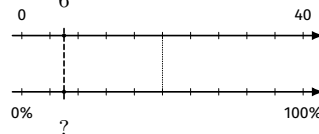
Decimal: $1 \div 4 = 0.25$

Percentage: $0.25 \times 100 = 25\%$

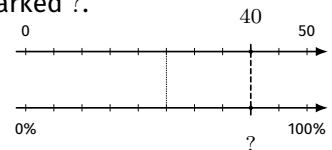
1. Find the missing percentage marked $\frac{?}{5}$



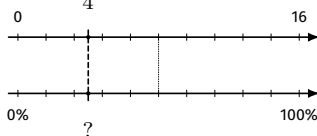
2. Find the missing percentage marked $\frac{?}{6}$



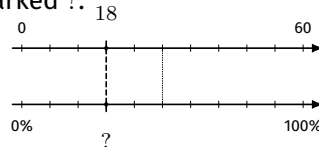
3. Find the missing percentage marked ?.



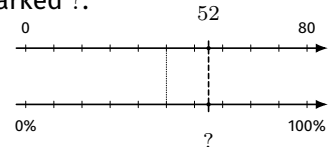
4. Find the missing percentage marked $\frac{?.4}{4}$



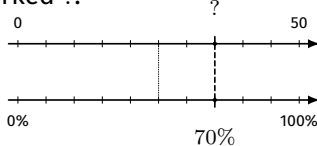
5. Find the missing percentage marked ?.



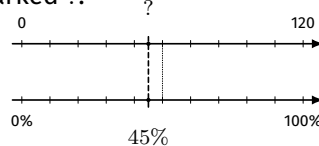
6. Find the missing percentage marked ?.



7. Find the missing amount marked ?.



8. Find the missing amount marked ?.



9. Write 26 out of 40 as a percentage.

Forming Percentages (continued)

Write each amount as a percentage without a diagram.



Name _____

Date _____

10. Write 7 out of 20 as a percentage.

11. Write 33 out of 50 as a percentage.

12. Write 9 out of 15 as a percentage.

13. A class of 24 students has 6 absent. What percentage of the class is absent?

14. A recipe uses 300 g of sugar out of a 750 g bag. What percentage of the bag does the recipe use?

15. Out of 45 minutes, a student spends 27 minutes on homework. What percentage of the time is spent on homework?

16. 36 out of 48 shots were successful in a basketball game. What percentage were successful?

17. A tank's capacity is 80 L. It currently holds 52 L. What percentage of the tank's capacity is filled?

18. In a survey of 150 people, 27 preferred juice over water. What percentage preferred juice?

