

Grade 8 Mathematics Worksheet

Fractions, Decimals, Percentages, Discounts & Sales Tax

Name: _____

Date: _____

Part A: Fraction, Decimal, and Percent Conversions

1. Convert 35% to a fraction in simplest form.
2. Convert 0.6 to a percent.
3. Convert $\frac{3}{5}$ to a decimal.
4. Convert 125% to a fraction.
5. Convert 0.875 to a fraction.
6. Convert $\frac{4}{25}$ to a percent.
7. Convert 18% to a decimal.
8. Convert $\frac{7}{8}$ to a percent.

Part B: For each question show a) The amount saved b) The sales Price

9. A jacket costs \$80. It is 10% off.
10. A pair of shoes costs \$120. It is 15% off.
11. A video game costs \$60. It is 20% off.
12. A backpack costs \$95. It is 25% off.
13. A bicycle helmet costs \$50. It is 30% off.
14. A winter coat costs \$200. It is 40% off.

Part C: 15% Sales Tax

15. A book costs \$24. Find the final price after tax.

16. A board game costs \$40. Find the final price after tax.

17. A pair of headphones cost \$75. Find the final price after tax.

18. A hoodie costs \$60. Find the final price after tax.

Finding original price

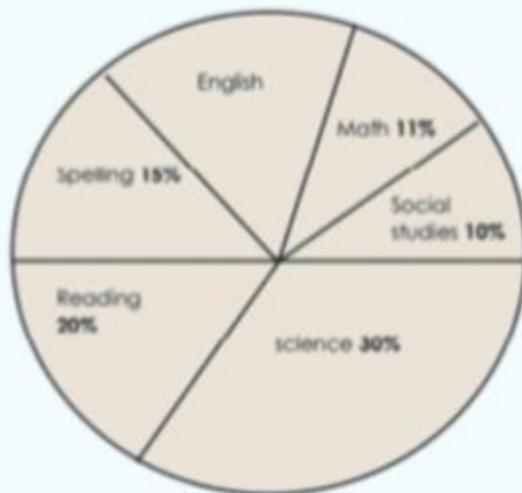
19. A coat is on sale for \$45 after 20% discount. What was the original price of the coat?

20. A sled is on sale for \$ 65 after 15% discount. What was the original price of the sled?

21. In a class of 30 students, 60% of the class have pets, how many students have pets?

22. 7 out of 25 students in the class have on red socks today, what percentage of students have red socks on today?

The following graph shows the time spent on homework on different subjects. Read the graph and answer the following questions.



a) What percent is spent on English?

b) If there are 120 students interviewed for this study, then how many do their reading homework?

c) What is the sector angle size for science?