

Name: _____ Date: _____ Period: _____

Percent Proportion Practice

Set up and solve a proportion for each percent problem below. Make sure your answers include a unit or a percent sign!

1. The FDA recommends that children need a total of 70 mg of vitamin C daily. Ana takes a Flintstones gummy vitamin that provides 25% of her daily intake. How many milligrams of vitamin C are in the Flintstone gummy?
2. Fred went to dinner at Chili's last night. It is customary to leave a 10 - 20% tip based on the cost of a meal and how good the service was. Fred left his server with 20% tip. He left \$3.45. How much did his meal cost?
3. A person standing on the moon would weigh 16% of his weight on Earth. If Claudette weighs 150 pounds on earth, how much would she weigh on the moon?
4. A TV station plays 12 minutes of commercials for every 60 minutes of airtime. What percent of the airtime is used for commercials?
5. Erika bought a new car. She agreed to pay 10% of the cost as a down payment. If Erika's down payment was \$1,452, what is the total cost of the car?
6. Henri purchased a new pair of fancy sneakers. Originally, the shoes cost \$200 but Henri had a coupon for \$36 off. What percent discount did Henri have?
7. In a class of 35 students, 20% of the students play in the orchestra. How many students play in the orchestra?
8. Students at Lincoln Middle School sell gift wrap to raise money for student activities. The school keeps 4% of the total sales. How much gift wrap must be sold in order for the school to get to keep \$850?

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9. Ms. Balsler had the most delicious chocolate chip cookies last night. They were so good that she ate 250% of the amount she was given. If she was given 25 cookies, how many cookies did she eat?

10. Last semester, 150 out of 800 students made the honor roll at Grace Middle School. What percent of students made the honor roll?

11. Ida has used 90 pages in her math notebook. She has 250 pages total. What percent of her notebook has Ida used?

12. When training for a marathon, Danny tries to maintain a heart rate that is 80% of his maximum heart rate. Danny has a maximum heart rate of 175 beats per minute. What is his training heart rate?

13. The school dance committee is planning a Winter Festival dance. They have already spent \$87. This is 25% of their budget. What is their budget?

14. Create your own missing PART problem (you do NOT have to solve):

15. Create your own missing TOTAL problem (you do NOT have to solve):

16. Create your own missing PERCENT problem (you do NOT have to solve):
