

✓ Checkpoint Quiz 1
.....**Write the following ratios in 3 ways.**

1. There are 3 alligators, 16 turtles, and 12 snakes in the reptile exhibit at the zoo. What is the ratio of turtles to snakes? _____
2. What is the ratio of alligators to snakes? _____
Explain what that ratio represents. _____
3. What is the ratio of snakes to reptiles? _____

Write two ratios equal to each ratio below.

4. $8/12$ _____
5. $12:16$ _____

Find the unit rate for each situation.

6. A package of 3 notebooks costs \$3.39. _____
7. Fabric costs \$12.76 for 4 yards. _____
8. 4 bags of Doritos for \$10 _____
9. You buy 3 12 packs for \$9.99 _____

Solve each proportion.

10. $\frac{n}{5} = \frac{2}{10}$

11. $\frac{9}{n} = \frac{27}{3}$

12. $\frac{30}{6} = \frac{a}{9}$

13. $\frac{1}{24} = \frac{3}{8}$

14. $\frac{16}{12} = \frac{r}{18}$

15. $\frac{18}{32} = \frac{27}{m}$

16. $\frac{5}{6} = \frac{h}{36}$

17. $\frac{60}{24} = \frac{w}{12}$

18. $\frac{11}{14} = \frac{33}{y}$

Write and solve a proportion to solve the following story problems.

One bag of skittles costs Mr. Colville \$5. Mr. Colville had \$30 with him. How many bags of skittles can Mr. Colville purchase?

One bottle of Mountain Dew costs Mr. May 1.25. Mr. May has \$50 with him. How many bottles of Mountain Dew can Mr. May purchase?

Olivia bakes 126 cookies in 3 hours. How many cookies can Ross bake in 7 hours at this rate?

Mr. Colville went for a hike this weekend. Mr. Colville hiked 156 kilometers in 12 hours. How many kilometers did Mr. Colville hike in 5 hours?

The fuel for a chain saw is a mix of oil and gasoline. The label says to mix 9 ounces of oil with 15 gallons. How much oil would you use if you had 75 gallons of gasoline?