

Math 7H - Unit 4

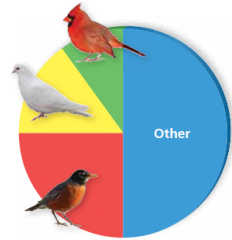
Day 1 - Percents, Fractions, & Decimals Review

Lesson Objectives:

- I can write fractions as percents.
- I can write decimals as percents.
- I can write percents as fractions and decimals.

One hundred people were asked to name their favorite songbird. Estimate the percent for each category.

Cardinal = 10%
Dove = 15%
Robin = 25%
Other = 50%

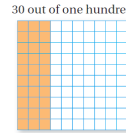


A percent is a ratio that compares a number to 100.



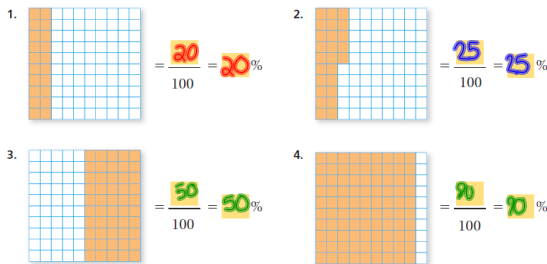
$$30\% = \frac{30}{100} = \frac{3}{10}$$

30 out of one hundred



To write a fraction as a percent, write an equivalent fraction with a denominator of 100.

Write the percent in .



Express each fraction as a percent.

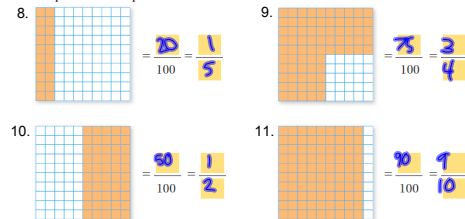
5. $\frac{1}{4} = \frac{25}{100} = 25\%$

6. $\frac{9}{2} = \frac{450}{100} = 450\%$

7. $\frac{9}{200} = \frac{4.5}{100} = 4.5\%$

To write a percent as a fraction, express the ratio as a fraction with a denominator of 100. Then Simplify!

Write the percent as a simplified fraction.



Express each percent as a fraction in simplest form.

12. 18%

13. $66\frac{2}{3}\%$

$$\frac{18}{100} \div 2 = \frac{9}{50}$$

$$\frac{66\frac{2}{3}}{100} = \frac{200}{100} = 2$$

$$= \frac{200}{100} \div 100 = \frac{2}{100} \times \frac{1}{100} = \frac{2}{10000} = \frac{1}{5000}$$

To write a decimal as a percent, multiply by 100 and add the percent symbol.

Express each decimal as a percent.

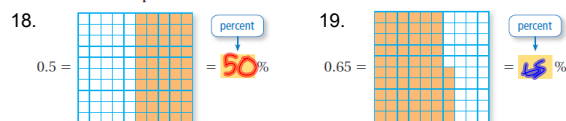
14. 0.83 $\rightarrow 83\%$

15. 0.6 $\rightarrow 60\%$

16. 0.001 $\rightarrow 0.1\%$

17. 1.2 $\rightarrow 120\%$

Write the decimal as a percent.



To write a percent as a decimal, divide by 100 and remove the percent symbol.

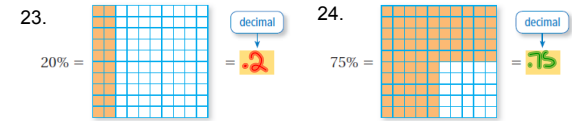
Express each percent as a decimal.

20. 92% $\rightarrow 0.92$

21. 180% $\rightarrow 1.8$

22. 0.003% $\rightarrow 0.00003$

Write the percent as a decimal.



Homework

Record & Practice Journal pgs #87-88
F,D,P Review WKS

* Individual Think Time *



What to do if you get stuck...

1. Reread the problem. Did you write it down correctly?
2. Reread your notes. Is there a problem similar that we did together in class?
3. Find a problem similar in your book. Try this one to see if it helps.
4. Skip the problem until the end of Individual Think Time. Then ask an "educated" question of a neighbor or Mrs. Call.

Today we're working by...

