

6th Grade  
Jan. 8, 2021

Today we will:

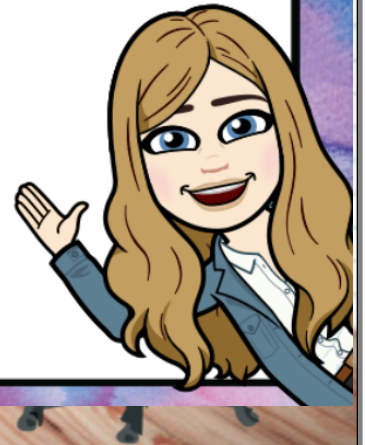
-turn in THQ

-review HW


-practice with  
white boards

HOMEWORK:

ALEKS assignment:  
60 min and 5 topics  
due Jan 12





Write each percent as a fraction in simplest form. (Examples 1–3)

1.  2% =  $\frac{1}{50}$  2. 20% =  $\frac{1}{5}$  3. 85% =  $\frac{17}{20}$  4. 4% =  $\frac{1}{25}$


*Show your work.*

Write each fraction as a percent. Use a model if needed. (Example 4)

5.  $\frac{2}{10}$  = 20% 6.  $\frac{3}{4}$  = 75% 7.  $\frac{7}{20}$  = 35% 8.  $\frac{11}{25}$  = 44%

9. During his workout, Elan spent 28% of the time on the treadmill. What fraction of his workout was on the treadmill? (Examples 1–3)  
 $\frac{7}{25}$
10. A cat spends about 7 out of 10 hours sleeping. About what percent of a cat's day is spent sleeping? (Example 5)  
70%

11.  A survey showed that 82% of youth most often use the Internet at home. What fraction of youth surveyed most often use the Internet somewhere else?

$\frac{9}{50}$


*Handwritten work:*  
 $\frac{82}{100} \div \frac{2}{2} = \frac{41}{50}$   
 $\frac{50}{50} - \frac{41}{50} = \frac{9}{50}$   
 $\frac{42}{50} \times \frac{2}{2} = \frac{84}{100}$   
 The rest, on  
 us + somewhere else

*Handwritten work:*  
 $100 - 82 = 18\%$

12. Cedro collects state quarters. He has 42 out of 50 available quarters. What is 42 out of 50 as a percent?

84%



13.  Use the table to determine what percent of students prefer school uniforms and what percent do not prefer school uniforms. What is the relationship between these two percents?

Do not prefer: 80%, prefer: 20%; the sum of the percents is 100%.

| Prefer School Uniforms |     |
|------------------------|-----|
| No                     | Yes |
| <br>     <br>          |     |

*Handwritten work:*  
 No →  $\frac{16}{20} \times \frac{5}{5} = \frac{80}{100} = 80\%$   
 Yes →  $\frac{4}{20} \times \frac{5}{5} = \frac{20}{100} = 20\%$



Change  
to  
fraction

35%

70%

62%

28%

Change  
to  
percent

$$\frac{1}{5} \times \frac{20}{20} = \frac{20}{100} = 20\%$$

$$\frac{6}{8} \div \frac{2}{2} = \frac{3}{4}$$

$$\frac{3}{4} \times \frac{25}{25} = \frac{75}{100} = 75\%$$

