

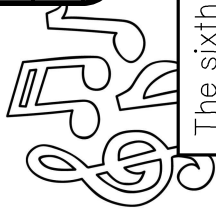
PERCENT APPLICATION: FINDING THE PERCENT

Percents can be helpful in solving real-world problems. Consider thinking through the questions below to help you organize the information and set up the proportion.

What information
are you given?

What are you solving for?
Is that represented by the
part, the whole, or the
percent?

Does your solution
make sense in the
context of the
problem?



The sixth grade class held an end-of-the-year talent show. Of the 300 sixth graders, 240 decided to attend. What percent of the sixth grade class attended the talent show?

- What information do we know?
- What information do we need to know?
- Are we looking for the part, the whole, or the percent?
- Sketch a tape diagram to represent the situation.

100%

- What is the solution? Does the solution make sense in context of the problem?

Set up a tape diagram for each of the word problems below. Do not solve.

1. In Mrs. Stone's class, 18 out of 20 students turned in their homework on time. What percent of the class turned their homework in on time?

100%

2. Angelica took a spelling test and got 11 out of 12 problems correct. What percent of problems did she get correct?

100%

Use your understanding of tape diagrams and proportions to solve the percent problems below.

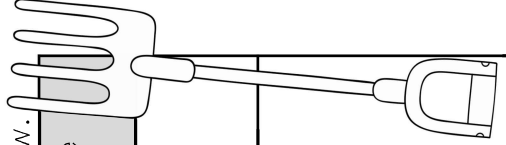
3. A farmer decides to sell 16 pounds of his small 48-pound potato crop. What percent of the crop did he sell?

I KNOW:

I NEED TO KNOW:

PLAN AND WORK:

SOLUTION:



4. For every \$10 Glen earns, his parents require him to save \$2. What percent of his money does he get to spend?

I KNOW:

I NEED TO KNOW:

PLAN AND WORK:

SOLUTION:

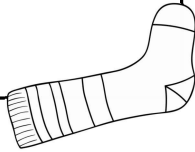
5. Joey has 8 pairs of socks in his drawer. Five pairs are white. What percent of Joey's socks are colored?

I KNOW:

I NEED TO KNOW:

PLAN AND WORK:

SOLUTION:



6. Coach Thomas has a player who made 9 out of 15 free throws during tryouts. To make the team, a player must be able to make 65% of their free throws. Will this player make the team?

I KNOW:

I NEED TO KNOW:

PLAN AND WORK:

SOLUTION:

PERCENT APPLICATION: FINDING THE PERCENT

Solve each of the questions in the left column. Then draw a line to the solution in the right column. After all the questions have been completed, unscramble the remaining letters to form the name of a mystery character.

<p>1. In the computer lab, there are 14 desktops and 16 laptops. Approximately what percent of the computers are laptops?</p>	<p>J C G</p>	<p>30%</p>
<p>2. Three of the thirty computers are out of service. What percent of the computers are operating properly?</p>	<p>W P L A N I V</p>	<p>12.5%</p>
<p>3. Wu saved \$75 towards a new \$250 mountain bike. What percent of the total cost of the bike has Wu saved?</p>	<p>B R</p>	<p>53%</p>
<p>4. A student was marked tardy five different times in a 40 day period. What percent of the time was the student tardy?</p>	<p>O X B A H I D</p>	<p>18%</p>
<p>5. Mr. McCoy receives a \$80.00 bill for his meal. He leaves \$14.40 as a tip. What percent tip did he leave?</p>	<p>S C G E</p>	<p>6.29%</p>
<p>6. A grocery delivery service charges a \$10 delivery fee per order. If the order is \$159, then what percent is the delivery fee?</p>	<p>U W C</p>	<p>90%</p>

MYSTERY CHARACTER: