LESSON MAKER PRO

Fraction Percent Links

Connect fractions, mixed numbers, models, and percents.

GRADE 6 · 6.NS.1.c

6.NS.1.c "Represent and determine equivalencies among fractions (proper or improper) and mixed numbers that have denominators that are 12 or less or factors of 100 and percents incorporating the use of number lines..."

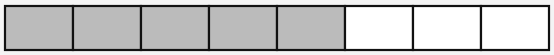
NAME _____ DATE _____

EQUIVALENT AMOUNTS

A fraction, a mixed number, and a percent can name the same amount. To change a fraction to a percent, make an equivalent fraction with a denominator of 100 when possible, or multiply the fraction by 100%.

WORKED EXAMPLE

What percent of the bar is shaded?

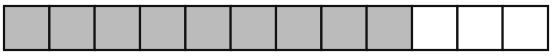


1. The shaded part is 5/8.
2. Divide 5 by 8 to get 0.625.
3. Multiply 0.625 by 100% to get 62.5%.

Answer: 5/8 = 62.5%

PRACTICE 6 problems

1 Write the shaded part as a simplest fraction and as a percent.



ANSWER _____

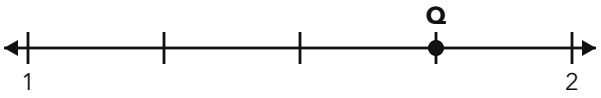
2 Write 7/10 as a percent.

ANSWER _____

3 Write 125% as a mixed number.

ANSWER _____

4 Point Q is shown on the number line. Write its value as a mixed number and as a percent.



ANSWER _____

5 Which percent is equivalent to 2 1/2? A. 150% B. 200% C. 250%

ANSWER _____

6 Write the correct comparison symbol: 11/12 ___ 90%.

ANSWER _____

APPLY IT Show your work

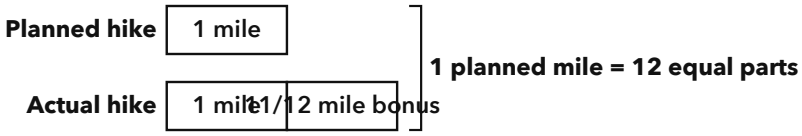
1 The table shows votes from a student club poll about its next tournament. What fraction of the votes chose a tournament, in simplest form? What percent of the votes is that?

STUDENT CLUB POLL

Choice	Votes
Tournament	28
Other activity	12
Total	40

ANSWER _____

2 Maya planned to hike 1 mile. She hiked 1 11/12 miles after adding a bonus loop. Her hiking app compares her actual distance with her planned distance. What percent of her planned distance did she hike?



ANSWER _____

CHALLENGE One step up

Order these amounts from least to greatest: 105%, 1 1/10, 7/6. Explain your reasoning by changing them to percents.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Percent Links

GRADE 6 · 6.NS.1.c

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write the shaded part as a simplest fraction and as a percent.	**3/4, 75%**
2	Write 7/10 as a percent.	**70%**
3	Write 125% as a mixed number.	**1 1/4**
4	Point Q is shown on the number line. Write its value as a mixed number and as a percent.	**1 3/4, 175%**
5	Which percent is equivalent to 2 1/2? A. 150% B. 200% C. 250%	**C. 250%**
6	Write the correct comparison symbol: 11/12 ___ 90%.	**11/12 > 90%**

PART 2 · APPLY IT

1. **7/10, 70%** Write the tournament votes as 28/40. Simplify by dividing by 4 to get 7/10, which is 70%.
2. **191 2/3%** Rewrite 1 11/12 as 23/12. Since the planned distance is 1 mile, multiply 23/12 by 100% to get 191 2/3%.

CHALLENGE

105%, 1 1/10, 7/6. 1 1/10 = 110%, and 7/6 = 116 2/3%, so 105% < 1 1/10 < 7/6.

Accept equivalent correct forms, such as 0.75 for 75% when a percent is not specifically requested. For mixed-number percent answers, accept an equivalent improper fraction or exact percent form.