

Name _____

Date _____

A Fraction as a Percent

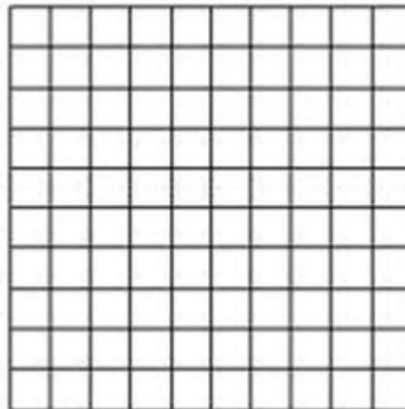
Show all the necessary work to support your answer.

1. Convert 0.3 to a fraction and a percent.

2. Convert 9% to a fraction and a decimal.

3. Convert $\frac{3}{8}$ to a decimal and percent.

1. Use the 10×10 grid to express the fraction $\frac{11}{20}$ as a percent.
2. Use a tape diagram to relate the fraction $\frac{11}{20}$ to a percent.
3. How are the diagrams related?
4. What decimal is also related to the fraction?
5. Which diagram is the most helpful for converting the fraction to a decimal? _____ Explain why.



Show all the necessary work to support your answer.

1. Convert 0.3 to a fraction and a percent.

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

2. Convert 9% to a fraction and a decimal.

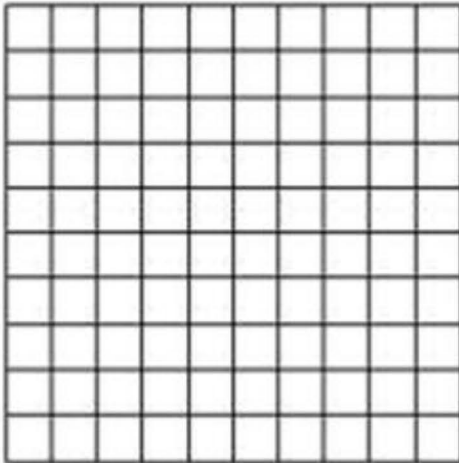
$$\frac{9}{100}, 0.09$$

3. Convert $\frac{3}{8}$ to a decimal and percent.

$$0.375 = \frac{375}{1,000} = \frac{37.5}{100} = 37.5\%$$

1. Use the 10×10 grid to express the fraction $\frac{11}{20}$ as a percent.

Students should be shading 55 of the squares in the grid. They might divide it into 5 sections of 20 each and shade in 11 of the 20.



2. Use a tape diagram to relate the fraction $\frac{11}{20}$ to a percent.

Answers will vary.



3. How are the diagrams related?

Both show that $\frac{11}{20}$ is the same as $\frac{55}{100}$.

4. What decimal is also related to the fraction?

0.55

5. Which diagram is the most helpful for converting the fraction to a decimal? _____ Explain why.

Answers will vary according to student preferences.

