Relate Fractions, Decimals, and Percentages

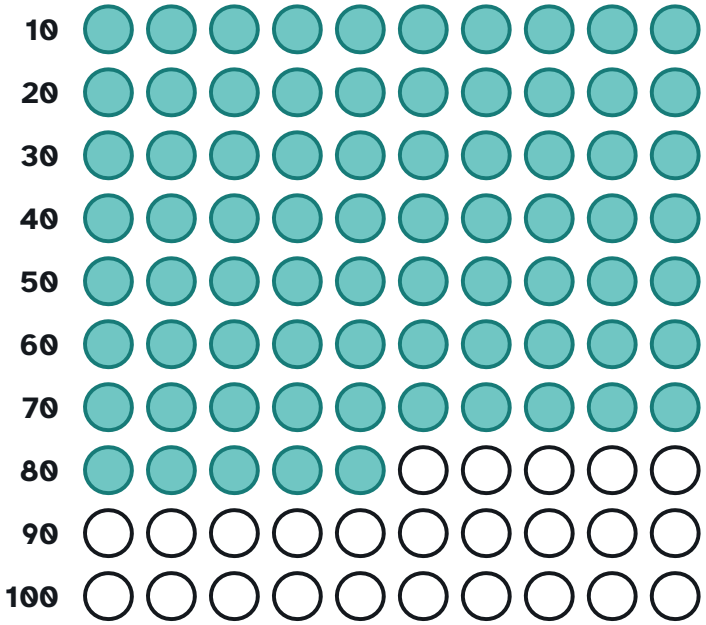
Write the same amount as a fraction, a decimal, and a percent.

Name _____ **Date** _____

Tonight's spark

A player scored 3/4 of her team's points. The scoreboard only shows percents. What percent should it show?

Make a guess first: is 3/4 more than half of the points, or less?



3/4 = 75/100 = 75%

Our class model: the fraction with 100 on the bottom

Try it

Work it out on paper. Write one answer on each line.

1 **Which decimal equals 1/2?**

A. 1.2 **B.** 0.2 **C.** 0.5 **D.** 2.0

My answer _____

2 **Write 0.75 as a percent.**

A. 75% **B.** 0.75% **C.** 7.5% **D.** 750%

My answer _____

3 **Write 3/5 as a percent.**

A. 35% **B.** 6% **C.** 30% **D.** 60%

My answer _____

4 **Which fraction equals 0.4?**

A. 1/4 **B.** 2/5 **C.** 4/5 **D.** 4/100

My answer _____

5 **Write 3/20 as a percent.**

A. 15% **B.** 3% **C.** 20% **D.** 60%

My answer _____

6 **Which three numbers all name the same value?**

A. 1/2, 0.2, 20% **B.** 1/4, 0.4, 14% **C.** 3/5, 0.6, 60% **D.** 3/4, 0.34, 34%

My answer _____

Talk about it

Is 3/4 a small piece of the whole, or most of it?

Home mission

Say, "A player scored 3/4 of the team's points." Can your student say it as a decimal and a percent out loud? Then try 1/2 and 1/5.

If we get stuck, ask

- Which number do we divide first, the top or the bottom?
- After we get the decimal, what do we multiply by to get the percent?
- Is this value more or less than a half? Let's use 50% to check.

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/4-2/homework.html

How did it feel? (optional)

Tricky Getting there Got it