Answers and talk notes

Relate Fractions, Decimals, and Percentages

What your student is learning

Tonight we write the same value three ways: as a fraction, as a decimal, and as a percent. They all name the same amount.

Answers

Ask your student to explain before you look.

1. **C.** 0.5. 1/2 means 1 ÷ 2 = 0.5.
2. **A.** 75%. 0.75 is 75 hundredths, so it is 75%.
3. **D.** 60%. 3/5 = 60/100 (multiply both by 20), so it is 60%.
4. **B.** 2/5. 0.4 = 4/10 = 2/5.
5. **A.** 15%. 3/20 = 15/100 (multiply both by 5), so it is 15%.
6. **C.** 3/5, 0.6, 60%. The set 3/5, 0.6, 60% works: 3/5 = 0.6 = 60%, so they all name the same value.

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.

When they are 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.

Try not to say

- Just read the numbers in the fraction as the percent, like 3/5 is 35%.
- Divide the bottom number by the top number.
- A percent can never be more than 100.