Answers and talk notes

Estimate the Percent of a Number

What your student is learning

Tonight we estimate the percent of a number using benchmark percents like 1%, 10%, 25%, 50%, 75%, and 100%.

Answers

Ask your student to explain before you look.

1. **A.** 50%. One half is 50 out of 100, so it is 50%.
2. **C.** 8. 10% is one tenth, so 80 ÷ 10 = 8.
3. **B.** 50%. 49% is just 1 less than 50%, so 50% is closest.
4. **D.** $20. Round $41 to $40. Half of $40 is $20.
5. **A.** About 20. About 20: round 79 to 80. 25% is one fourth, and 80 ÷ 4 = 20.
6. **C.** About $12. About $12: round $62 to $60. 10% of $60 is $6, so 20% is $6 × 2 = $12.

Talk about it

Is 23% almost all of $81, or only a small part?

Home mission

Look at a price tag at home. Pretend it is 23% off. Round the price to a friendly number. About how much would you save?

When they are stuck, ask

- Which benchmark percent is closest?
- What is 10% of that number?
- Is your estimate a little over or a little under?

Try not to say

- Estimating is just guessing.
- You need the exact answer here.
- Use the calculator instead.