

Percent as a Part of One Hundred



Use the matching sheet ID when checking answers.

Use the material to work through each task. Show the requested response.

1. Write 25% as a decimal and a simplified fraction.

Answer: 0.25 and $\frac{1}{4}$

2. Find 20% of 60.

Answer: 12

3. 15 is 30% of what number?

Answer: 50

4. A quantity rises from 40 to 50. What is the percent increase?

Answer: 25%

5. Why is the increase from 40 to 50 different in percent from the decrease from 50 to 40?

Look for:

- Uses the correct starting whole.

One possible response: The reference wholes differ: $\frac{10}{40} = 25\%$; $\frac{10}{50} = 20\%$.

6. Can 50% of one class be a different number of students from 50% of another?

Look for:

- Distinguishes proportion from amount.

One possible response: Yes, class sizes can differ.

Open responses use criteria and an illustrative response. Other well-supported responses can be acceptable.