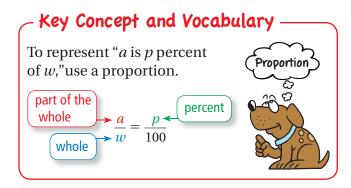
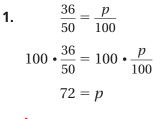
REVIEW: Percents and Proportions



Skill Examples



So, 36 is 72% of 50.

2.
$$\frac{a}{36} = \frac{20}{100}$$

$$36 \cdot \frac{a}{36} = 36 \cdot \frac{20}{100}$$
$$a = 7.2$$

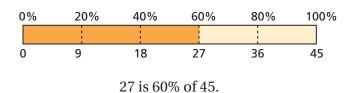
• So, 7.2 is 20% of 36.

PRACTICE MAKES PURR-FECT

Write and solve a proportion to answer the question.

Name _

Visual Model



Application Example

3. A basketball player makes 45%, or 9 shots, of her attempted shots. How many shots did the basketball player attempt?

$$\frac{9}{w} = \frac{45}{100}$$

$$9 \cdot 100 = w \cdot 45$$

$$900 = 45w$$

$$\frac{900}{45} = \frac{45w}{45}$$

$$20 = w$$
The basketball

The basketball player attempted 20 shots.

Check your answers at BigIdeasMath.com. –

4. 68 is what percent of 80?	5. What number is 25% of 116?
85%	29
6. 36 is 16% of what number?	7. 48 is what percent of 128?
225	37.5%
8. What number is 64% of 40?	9. 77 is 55% of what number?
25.6	140

- **10. PLAY** Students are auditioning for a play. Of the 60 students auditioning, 12 will get a part in the play. What percent of the students who audition will get a part in the play?
- **11. HOMEWORK** You have completed 60% of your English homework. The assignment has 25 questions. How many questions are left? <u>10</u>