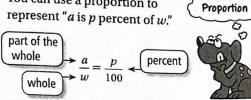
REVIEW: The Percent Proportion

Key Concept and Vocabulary

You can use a proportion to



Name

Visual Model

0%	20%	40%	60%	80%	100%
0	9	18	27	36	45

27 is 60% of 45.

Skill Examples

1.
$$\frac{36}{50} = \frac{p}{100}$$

$$100 \cdot \frac{36}{50} = 100 \cdot \frac{p}{100}$$

$$72 = p$$

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

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

$$a = 7.2$$

Application Example

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

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

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

$$900 = 45w$$

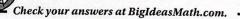
$$\frac{900}{45} = \frac{45w}{45}$$

$$20 = w$$



The basketball player attempted 20 shots.

PRACTICE MAKES PURR-FECT

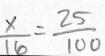


Write and solve a proportion to answer the question.

4. 68 is what percent of 80?

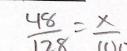
t percent of 80?
$$\frac{68}{80} = \frac{\cancel{5}}{100}$$

5. What number is 25% of 116?



6. 36 is 16% of what number? 36 = 16

$$\frac{30}{100} = \frac{16}{100}$$



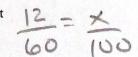
$$25.6$$
 $\frac{1}{40} = \frac{64}{100}$

7. 48 is what percent of 128?

9. 77 is 55% of what number? 8. What number is 64% of 40?

	117	1)3
140	X	100
110		1

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?

