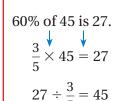
REVIEW: Percents: Finding the Whole

Name __

Key Concept and Vocabulary -



Write the $27 \div \frac{3}{5} = 45$ divide the part by the fraction.



Visual Model

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

Skill Examples

1. 30% of what number is 15?

$$15 \div 30\% = 15 \div \frac{3}{10}$$
$$= 15 \times \frac{10}{3} = 50$$

2. 110% of what number is 88?

$$88 \div 110\% = 88 \div \frac{11}{10}$$
$$= 88 \times \frac{10}{11} = 80$$

Application Example

3. A basketball player made 9 shots, which were 45% of her attempted shots. How many shots did the basketball player attempt?

$$9 \div 45\% = 9 \div \frac{9}{20}$$
$$= 9 \times \frac{20}{9}$$
$$= 20$$

The basketball player attempted 20 shots.

PRACTICE MAKES PURR-FECT™

Check your answers at BigIdeasMath.com. —

Find the whole.

- **4.** 25% of what number is 29? ___116___
- **6.** 16% of what number is 36? _____25___
- **8.** 4% of what number is 40? ______
- **5.** 85% of what number is 68? _____80
- **7.** 55% of what number is 77? ____140____
- **9.** 155% of what number is 403? <u>260</u>
- 10. PLAY Of the students who auditioned for a play, 20% got a part. There are 12 students
- 11. HOMEWORK You have completed 15 questions of your English homework, which is 60%. How many English questions were assigned for homework? 25