

REVIEW: Finding the Percent of a Number

Name _____

Key Concept and Vocabulary

40% of 60 is 24.

$$0.4 \times 60 = 24$$

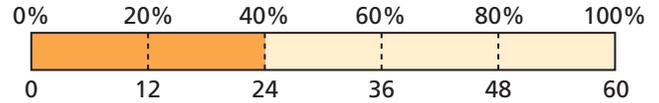
$$\frac{2}{5} \times 60 = 24$$

Write percent as decimal or fraction and multiply.

Finding a part.



Visual Model



Skill Examples

- 30% of 50: $0.3 \times 50 = 15$
- 45% of 80: $0.45 \times 80 = 36$
- 110% of 40: $1.1 \times 40 = 44$
- 25% of 240: $0.25 \times 240 = 60$

Application Example

- 28% of the 200 people who answered a survey own a dog. How many of the 200 people in the survey own a dog?

$$0.28 \times 200 = 56$$

- 56 of the 200 people own a dog.



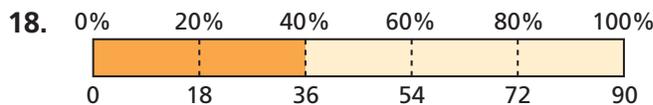
PRACTICE MAKES PURR-FECT™

Check your answers at BigIdeasMath.com.

Find the percent of the number.

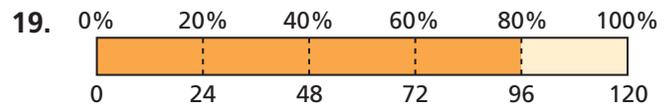
- 25% of 40 = 10
- 20% of 35 = 7
- 65% of 110 = 71.5
- 125% of 20 = 25
- $33\frac{1}{3}\%$ of 60 = 20
- 95% of 400 = 380
- 200% of 31 = 62
- 18% of 90 = 16.2
- 1% of 800 = 8
- 60% of 60 = 36
- 100% of 59 = 59
- 1000% of 59 = 590

Write the question represented by the model. Then answer the question.



Question: What is 60% of 90?

Answer: 54



Question: What is 80% of 120?

Answer: 96

- ENDANGERED SPECIES** Sixty percent of a species of butterfly died due to loss of habitat. Originally, there were 10,000 butterflies. How many are left? 4000 butterflies

- SALES TAX** You buy 4 breakfast sandwiches at \$2.59 each, 4 hashbrowns at \$1.10 each, and 4 bottles of orange juice at \$1.25 each. The sales tax is 6%. Find the total cost of the 4 meals, including sales tax. \$20.95