Name _____

Key Concept and Vocabulary

40% of 60 is 24.

$0.4 \times 60 = 24$

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

Write percent as decimal or fraction and multiply.

Finding a part.

Visual Model

| 0%	20%	40%	60%	80%	100%
0	12	24	36	48	60
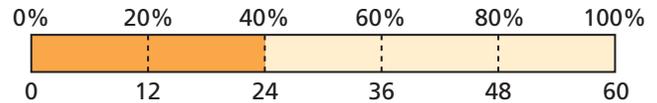
Skill Examples

1. 30% of 50: $0.3 \times 50 = 15$

2. 45% of 80: $0.45 \times 80 = 36$

3. 110% of 40: $1.1 \times 40 = 44$

4. 25% of 240: $0.25 \times 240 = 60$

Application Example

5. 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.

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Check your answers at BigIdeasMath.com.

Find the percent of the number.

6. 25% of 40 = _____   7. 20% of 35 = _____   8. 65% of 110 = _____   9. 125% of 20 = _____

10. $33\frac{1}{3}$% of 60 = _____   11. 95% of 400 = _____   12. 200% of 31 = _____   13. 18% of 90 = _____

14. 1% of 800 = _____   15. 60% of 60 = _____   16. 100% of 59 = _____   17. 1000% of 59 = _____

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

18.

0%	20%	40%	60%	80%	100%
0	18	36	54	72	90

Question: _____

Answer: _____

19.

0%	20%	40%	60%	80%	100%
0	24	48	72	96	120
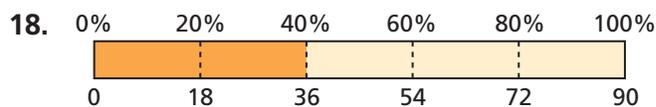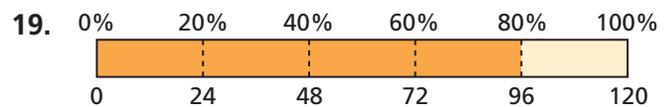
Question: _____

Answer: _____

20. **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? _____

21. **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. _____