

Percent of a Number · Level 3

Level 3 · Challenge: percent word problems

6th Grade Math



Name: _____

Date: _____

Example

Read the problem, find the **whole** and the **percent**, then multiply.

A pond has 80 frogs. 25% are green. $25\% \text{ of } 80 = 80 \div 4 = \mathbf{20 \text{ green frogs.}}$

1. A pumpkin patch has 240 pumpkins. 35% of them are white pumpkins. How many white pumpkins are there?

Answer: _____ white pumpkins

2. A cave is home to 1,800 bats. 15% of the bats leave early to hunt. How many bats leave early?

Answer: _____ bats

3. Maya read 60% of a 145-page mystery book. How many pages has she read?

Answer: _____ pages

4. A hayride ticket costs \$12. Kids pay 75% of that price. How much is a kid ticket?

Answer: _____ dollars

5. An apple orchard picked 520 apples. 5% were too bruised to sell. How many apples were bruised?

Answer: _____ apples

6. A family hiked 8 miles on Saturday. On Sunday they hiked 125% of that distance. How far did they hike on Sunday?

Answer: _____ miles

Safari Challenge

A. 30% of what number is 12?

B. A bat ate 90 insects, which was 45% of its goal. What was its goal?

Hint: if 30% is 12, what is 10%? Then what is 100%?



Answer Key · Level 3

For the grown-up

6th Grade Math



1. **84 white pumpkins**

2. **270 bats**

3. **87 pages**

4. **\$9**

5. **26 apples**

6. **10 miles**

Work examples: #1 $0.35 \times 240 = 84$ · #2 $0.15 \times 1,800 = 270$ · #6 $1.25 \times 8 = 10$

Safari Challenge A: 40 (10% is 4, so 100% is 40). **B:** 200 insects (5% is 10, so 100% is 200).



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6th Grade Math



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Level 3

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