

Work with percents above 100 and below 1

NAME	DATE	SCORE / 10
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- 1** A school buys 8,400 pencils. Only 0.25% of the pencils are broken. How many pencils are broken?

- 2** Only 0.5% of the cups in a store are broken. Which statement is true?

- ☐ About $\frac{1}{2}$ of the cups are broken
 ☐ Fewer than 1 in every 100 cups are broken
☐ About 5 in every 100 cups are broken
 ☐ This cannot happen: a percent is never less than 1

- 3** A club had 24 members last year. This year the club has 150% as many members. How many members does the club have this year?

- 4** The price of a bike this year is 150% of the price last year. Which statement is true?

- ☐ This cannot happen: a percent is never more than 100
☐ The bike costs more than it did last year
☐ The bike costs 150 times as much as it did last year
☐ The bike costs less than it did last year

- 5** What is 0.5% of 3,000?

6

Only 0.2% of the pencils in a school are broken. Which statement is true?

- ☐ About 2 in every 100 pencils are broken ☐ About $\frac{1}{5}$ of the pencils are broken
- ☐ This cannot happen: a percent is never less than 1
- ☐ Fewer than 1 in every 100 pencils are broken

7

A puppy weighed 16 kilograms. A year later, the puppy weighs 250% of that weight. How many kilograms does the puppy weigh now?

8

A plant's height this month is 150% of the plant's height last month. Which statement is true?

- ☐ The plant is taller than it was last month
- ☐ This cannot happen: a percent is never more than 100
- ☐ The plant is shorter than it was last month
- ☐ The plant is 150 times as tall as it was last month

9

A town has 3,200 people. Only 0.5% of the people in the town take a bus to work. How many people in the town take a bus to work?

10

Only 0.2% of the eggs on a farm are broken. Which statement is true?

- ☐ About $\frac{1}{5}$ of the eggs are broken ☐ This cannot happen: a percent is never less than 1
- ☐ Fewer than 1 in every 100 eggs are broken ☐ About 2 in every 100 eggs are broken

Work with percents above 100 and below 1

1 21

3 36

5 15

7 40

9 16

2 Fewer than 1 in every 100 cups are broken

4 The bike costs more than it did last year

6 Fewer than 1 in every 100 pencils are broken

8 The plant is taller than it was last month

10 Fewer than 1 in every 100 eggs are broken