LESSON MAKER PRO

Percent Power

Use rates per 100 to find parts of quantities.

GRADE 6 · 6.NR.4.6

6.NR.4.6 "Calculate a percent of a quantity as a rate per 100 and solve everyday problems given a percent."

NAME _____ DATE _____

FIND THE PERCENT PART

Percent means "out of 100." To find a percent of a quantity, write the percent as a fraction over 100, multiply by the quantity, and simplify.

WORKED EXAMPLE

Find 18% of 150.

1. Write 18% as 18/100.
2. Reduce 150/100 to 3/2.
3. Multiply: 18 * 3/2 = 27.

Answer: 27

PRACTICE 6 problems

1 Find 25% of 64.

ANSWER _____

2 Find 10% of 230.

ANSWER _____

3 Find 75% of 40.

ANSWER _____

4 Find 12% of 50.

ANSWER _____

5 Find 5% of 180.

ANSWER _____

6 Find 35% of 80.

ANSWER _____

APPLY IT Show your work

1 In a school music poll, 40% of 55 students chose hip-hop as their favorite music type. How many students chose hip-hop?

WORK SPACE

ANSWER _____

2 A game add-on bundle costs $84. It is on sale for 25% off. What is the discount, and what is the sale price?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A school library has 160 new graphic novels. It puts 35% of them on a display table and shares the rest equally among 8 shelves. How many graphic novels go on each shelf?

WORK SPACE AND ANSWER

ANSWER KEY

Percent Power

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 25% of 64.	**16**
2	Find 10% of 230.	**23**
3	Find 75% of 40.	**30**
4	Find 12% of 50.	**6**
5	Find 5% of 180.	**9**
6	Find 35% of 80.	**28**

PART 2 · APPLY IT

1. **22 students** Find 40% of 55. 40/100 * 55 = 22.
2. **The discount is $21, and the sale price is $63.** Find 25% of $84 to get a $21 discount. Subtract $21 from $84 to get $63.

CHALLENGE

13 graphic novels

Accept equivalent fraction, decimal, or percent methods that produce the correct value. For the challenge, students should find 56 graphic novels on display, then divide the remaining 104 by 8.