LESSON MAKER PRO

Percent Paths

Find a part or the whole.

GRADE 6 · 6.AT.A.4

6.AT.A.4 "Find a percent of a quantity in context as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity), including finding the whole given a part and the percent, by using tables, tape diagrams, and double number lines."

NAME _____ DATE _____

THINK PER 100

A percent is a rate per 100, so 20% means 20/100. To find a part, multiply the whole by the percent. To find the whole, divide the part by the percent.

WORKED EXAMPLE

Find 20% of 45.

Percent	Quantity
100%	45
20%	?

1. 20% = 20/100 = 1/5.
2. 45 × 1/5 = 9.

Answer: 9

PRACTICE 4 problems

1 Find 30% of 50.

ANSWER _____

2 Find 10% of 140.

ANSWER _____

3 18 is 25% of what number?

ANSWER _____

4 42 is 70% of what number?

ANSWER _____

APPLY IT Show your work

1 In a school vote, 30 students picked one poster. That was 25% of the voters. How many students voted?

Percent	Students
25%	30
100%	?

ANSWER _____

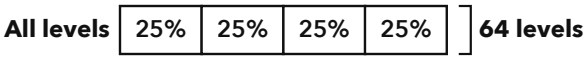
2 A game shop marks an $80 headset down 15%. How many dollars is the discount?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game has 64 levels. Mia finishes 75% of them, then finishes 1/4 of the levels left. How many levels are still unfinished?



WORK SPACE AND ANSWER

ANSWER KEY

Percent Paths

GRADE 6 · 6.AT.A.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 30% of 50.	**15**
2	Find 10% of 140.	**14**
3	18 is 25% of what number?	**72**
4	42 is 70% of what number?	**60**

PART 2 · APPLY IT

1. **120 students** Since 25% is 1/4 of the voters, multiply 30 by 4 to get 120.
2. **$12** 10% of $80 is $8, and 5% is $4. Add them to get a $12 discount.

CHALLENGE

12 levels

Accept a table, tape diagram, double number line, or correct calculation. For the challenge, 16 levels remain after the first step, then Mia finishes 4 more.