

Percent Power Practice

Find the part, whole, or percent in real situations.

GRADE 6 • TEKS 6.5.B

6.5.B “solve real-world problems to find the whole given a part and the percent, to find the part given the whole and the percent, and to find the percent given the part and the whole, including the use of concrete and pictorial models; and”

NAME _____

DATE _____

THREE PERCENT QUESTIONS

A percent means “out of 100.” To find a part, multiply the whole by the percent written as a decimal. To find a whole, divide the part by the decimal, and to find a percent, divide the part by the whole and multiply by 100.

WORKED EXAMPLE

Find 30% of 90.

1. Write 30% as 0.30.
2. Multiply: $0.30 \times 90 = 27$.
3. The part is 27.

Answer: 27

PRACTICE 6 problems

- 1** Find 18% of 50.

ANSWER _____

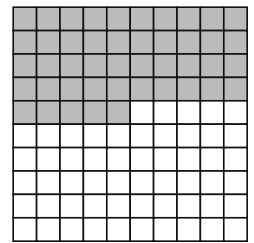
- 2** 42 is 35% of what number?

ANSWER _____

- 3** 16 is what percent of 64?

ANSWER _____

- 4** The grid represents 100 small squares. What percent of the grid is shaded?



ANSWER _____

- 5** A sweatshirt costs \$72. The store gives a 15% discount. How much money is the discount?

ANSWER _____

- 6** 36 is what percent of 60?

ANSWER _____

APPLY IT Show your work

- 1** A video game costs \$48. It is on sale for 25% off. How much money do you save, and what is the sale price?

WORK SPACE

ANSWER _____

- 2** In a robotics club, 18 members are in the 40% section of the tape. How many members are in the whole club?

Club members

40%	60%
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 All club members

ANSWER _____

CHALLENGE One step up

Twenty percent of 70 collectible cards are foil cards. Half of the foil cards are signed. What percent of all the cards are signed? Explain using numbers.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Find 18% of 50.	9
2	42 is 35% of what number?	120
3	16 is what percent of 64?	25%
4	The grid represents 100 small squares. What percent of the grid is shaded?	45%
5	A sweatshirt costs \$72. The store gives a 15% discount. How much money is the discount?	\$10.80
6	36 is what percent of 60?	60%

PART 2 • APPLY IT

1. **You save \$12, and the sale price is \$36.** Find 25% of \$48 to get \$12. Subtract \$12 from \$48 to get \$36.
2. **45 members** Since 18 is 40% of the club, divide 18 by 0.40. The whole club has 45 members.

CHALLENGE

10%; 20% of 70 is 14 foil cards, and half of 14 is 7 signed cards. Since 7 out of 70 is 10%, 10% of all the cards are signed.

Accept equivalent fraction, decimal, or percent forms when they are correctly labeled. Accept 0.60 as the decimal equivalent of 60%, not 0.60%.