Find and Compare with Percentages

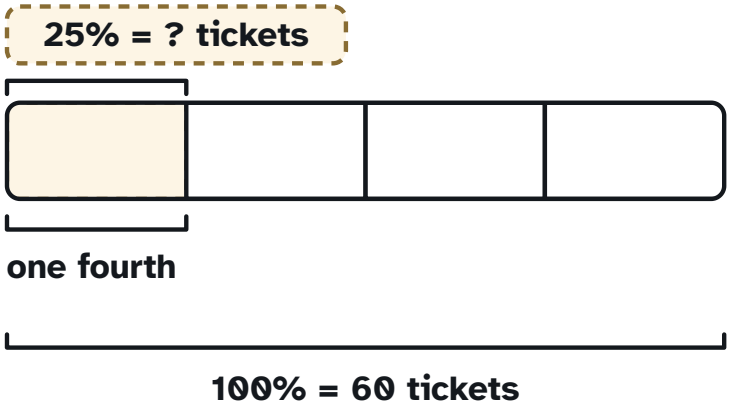
Find a percent of a number by changing the percent to a decimal and multiplying.

Name _____ **Date** _____

Tonight's spark

A claw-machine prize costs 60 tickets. A sign says 25% off. How many tickets do you save?

Make a guess first: do you save more or fewer than 20 tickets?



Our class model: the percent as a decimal

Try it

Work it out on paper. Write one answer on each line.

1 **Write 40% as a decimal.**

A. 0.4 **B.** 4.0 **C.** 0.04 **D.** 40

My answer _____

2 **What is 50% of 36?**

A. 72 **B.** 3.6 **C.** 18

My answer _____

3 **What is 10% of 90?**

A. 900 **B.** 0.9 **C.** 99 **D.** 9

My answer _____

4 **What is 25% of 48?**

A. 24 **B.** 12 **C.** 73 **D.** 192

My answer _____

5 **What is 20% of 70?**

A. 14 **B.** 50 **C.** 1,400 **D.** 7

My answer _____

6 **A game costs 80 tickets and is 25% off. What is the sale price?**

A. 20 tickets **B.** 105 tickets **C.** 60 tickets

My answer _____

Talk about it

Did the problem ask for the amount you saved (the discount) or the amount you have to pay (the sale price)?

Home mission

Count out 60 beans or coins to stand for 60 tickets. Ask your student to make four equal groups to show 25% off. How many tickets are saved? Then try 50% off.

If we get stuck, ask

- What number comes after the word "of"? That is the base we multiply by.
- What is this percent written as a decimal?
- About how big should the answer be? Let's estimate first.

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/4-4/homework.html

How did it feel? (optional)

Tricky Getting there Got it