



# DOES IT ADD UP?

In the exciting new film *Sonic the Hedgehog*, Sonic uses his powers to try to stop Dr. Robotnik, who wants to take over the world! That means using all his skills—including math! Now it's time to test your math skills.

## PART 1: MISSING SIGNS

Complete the equations below so they are correct. Add either an addition (+) or subtraction (-) sign in each blank.

Example:  $4 \underline{+} 3 \underline{-} 5 = 2$

**1.**  $10 \underline{\quad} 3 \underline{\quad} 9 = 16$

**2.**  $4 \underline{\quad} 13 \underline{\quad} 5 \underline{\quad} 8 = 20$

**3.**  $11 \underline{\quad} 3 \underline{\quad} 10 \underline{\quad} 2 \underline{\quad} 6 = 14$

**4.**  $25 \underline{\quad} 9 \underline{\quad} 5 \underline{\quad} 3 \underline{\quad} 1 \underline{\quad} 7 = 0$



## PART 2: CONVERT IT

Sonic zooms by everyone at 760 miles per hour. Miles and hours are just two units of distance and time. Test your math skills by converting the time and distance measurements below.

### FAST FACTS

1 foot (ft) = 12 inches (in)

1 yard (yd) = 3 feet

1 mile (mi) = 5,280 feet

1 hour (hr) = 60 minutes (min)

**1.** 36 inches = \_\_\_\_\_ yards

**2.** 54 feet = \_\_\_\_\_ yards

**3.** 24 inches = \_\_\_\_\_ feet

**4.** 10 feet = \_\_\_\_\_ inches

**5.** 7 yards = \_\_\_\_\_ feet

**6.** 8 yards = \_\_\_\_\_ inches

**7.** 5 hours = \_\_\_\_\_ minutes

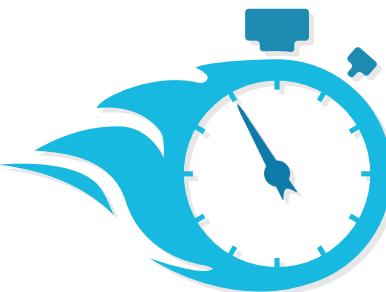
**8.** 24 hours = \_\_\_\_\_ minutes

**9.** 420 minutes = \_\_\_\_\_ hours

**10.** 10 miles per hour = \_\_\_\_\_ feet per hour

**11.** 180 miles per hour = \_\_\_\_\_ miles per minute

**12.** 5 miles per minute = \_\_\_\_\_ miles per hour



**Bonus:** Use a ruler to measure 2 items in the classroom, and record their length in inches. Write a different unit of measure (feet, yards) next to each item and challenge a friend to convert the length of each item from inches to the second unit of measure.



See how Sonic  
uses speed to solve  
problems when

**SONIC**  
**THE HEDGEHOG**

zooms into theaters on  
February 14, 2020!