



DOES IT ADD UP?

In the exciting 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: $4 \text{ } + \text{ } 3 \text{ } - \text{ } 5 = 2$

1. $10 \text{ } ______ 3 \text{ } ______ 9 = 16$

2. $4 \text{ } ______ 13 \text{ } ______ 5 \text{ } ______ 8 = 20$

3. $11 \text{ } ______ 3 \text{ } ______ 10 \text{ } ______ 2 \text{ } ______ 6 = 14$

4. $25 \text{ } ______ 9 \text{ } ______ 5 \text{ } ______ 3 \text{ } ______ 1 \text{ } ______ 7 = 0$



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 = 12 inches

1 yard = 3 feet

1 mile = 5,280 feet

1 hour = 60 minutes

1. 36 inches = _____ yards

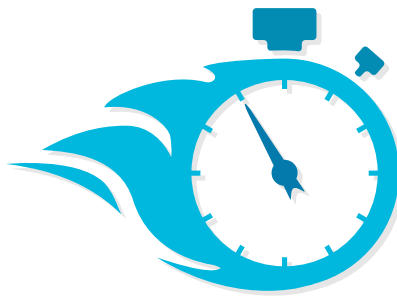
2. 54 feet = _____ yards

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 two items in your home, and record their length in inches. Write a different unit of measure (feet, yards) next to each item and challenge a classmate or family member to convert the length of each item from inches to the second unit of measure.



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See how Sonic
uses speed to solve
problems when

SONIC
THE HEDGEHOG

zooms home on
Digital & Blu-ray™!