



Name \_\_\_\_\_ Date \_\_\_\_\_

# Frankenstein Hidden Message

Find a correct equation in the box to the right for each word problem.  
Solve the equation and find your answer in the boxes at the bottom.  
Write in the letter that matches your equation to solve the puzzle.  
Answers may be used more than once!

## Who did Frankenstein take to the dance?

- The *Monster Express* heading west from Transylvania to Budapest travels at 100 mph for 160 miles. How much time does this take?
- A spider on the wall of Frankenstein's laboratory travels 35 cm in 7 seconds. How fast did the spider travel?
- Igor rode his bicycle to the village at a constant rate of 12 mph. If the trip took 3.5 hours, how far away is the village?
- A villager encountered Frankenstein in the woods. If the terrified villager can run 9 miles in 1 hour, how far away will he be after 30 minutes?
- The villager gathers all of his friends to storm the castle. If the mob travels at rate of 4 miles per hour to reach the castle that is 30 miles away, how long was the trip?
- After getting to the castle, the villagers realized that they forgot their pitchforks. They send their fastest runners back to the village. The 30 mile trip was completed in 3 hours. What was their speed?
- Frankenstein charges the villagers at a rate of 5 m/s. If it took him 7 s to reach them, how far away were they?
- After settling their differences peacefully, the villagers invite Frankenstein to a local inn for hot chocolate. How long will it take him to cover the 5 miles if he walks at a rate of 10 mph.

- Frankenstein needs a new suit for the village dance. He decides to go to the nearest big city. If the city is 120 miles away and it takes him 2 hours by train, what was his speed?
- If Frankenstein walks from the suit store to the florist in 5 minutes, how far away was it if he averages 10 m/min?
- Frankenstein walks to pick up his date 6 miles away in 15 minutes and walks to the village 30 miles away in 1 hour 15 min. What was his average speed for the entire trip?
- How long will it take to make the same trip back if he travels at 12 mph?

- |   |                      |   |                     |
|---|----------------------|---|---------------------|
| L | $t = 5 \div 10$      | I | $d = 5 \times 7$    |
| E | $t = 30 \div 4$      | T | $s = 7 \div 35$     |
| A | $d = 12 \div 3.5$    | Y | $s = 120 \times 2$  |
| X | $d = 9 \times 1$     | N | $t = 36 \div 12$    |
| M | $t = 160 \times 100$ | U | $s = 36 \div 1.5$   |
| P | $d = 7 \div 5$       | G | $s = 35 \div 7$     |
| D | $t = 76 \times 32$   | H | $s = 30 \div 3$     |
| S | $d = 9 \times 0.5$   | C | $t = 10 \div 5$     |
| Q | $t = 4 \div 30$      | O | $d = 10 \times 5$   |
| R | $s = 120 \div 2$     | D | $d = 12 \times 3.5$ |
| K | $d = 10 \div 5$      | F | $t = 160 \div 100$  |

10 mph	35 m	4.5 mi	2 h	5 cm/s	10 mph	50 m	24 mph	30 min	9 mi	1.6 h	60 mph	35 m	7.5 h	3 h	42 mi