

Identify Extra Information

1. A greyhound can run at a speed of 39.35 miles per hour, a giraffe at 32 miles per hour, and a person at 27.89 miles per hour. How many miles per hour faster can a greyhound run than a giraffe?

THINK: Which information is not needed for solving the problem?

- the rate a person can run
- the rate a giraffe can run
- the rate a greyhound can run

ANSWER: A greyhound can

run _____ miles per hour faster.

2. A garden snail can move at 0.03 miles per hour. A sloth moves 0.12 miles per hour faster. How far can a snail travel in 5 hours?

THINK: Which information is not needed for solving the problem?

- how much faster a sloth can move than a snail
- how fast a snail can move
- how many hours the snail traveled

ANSWER: A snail can travel

_____ miles in 5 hours.

3. A rabbit ran at 35 miles per hour for 10 minutes. An elk ran at 45 miles per hour for 0.8 minutes. How far did the elk run?

THINK: Which information is not needed for solving the problem?

- how many minutes the rabbit ran and at what speed
- how fast the elk ran
- how much time the elk spent running

ANSWER: The elk ran

_____ miles.

	1	2	3	4	5	6	
THINK:							Number Right
ANSWER:							

4. A spider crawled at a rate of 1.17 miles per hour. A turtle started at the same time, but moved at a speed of 0.17 miles per hour. How far did the turtle crawl in 8 hours?

THINK: Which information is not needed for solving the problem?

- a. the speed of the turtle
- b. the speed of the spider
- c. how many hours the turtle crawled

ANSWER: The turtle crawled _____ miles.

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5. A dog and a cat raced for 28.50 seconds. The dog ran at 35.5 miles per hour. The cat ran at 30 miles per hour. How many miles per hour faster did the dog run?

THINK: Which information is not needed for solving the problem?

- a. the speed of the cat
- b. how long the cat and dog raced
- c. the speed of the dog

ANSWER: The dog ran _____ miles per hour faster.

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6. Cheetahs can run at speeds up to 70 miles per hour. It took a cheetah 47.65 seconds to run to the water hole and 32.5 seconds to run back to its den. For how many seconds did it run all together?

THINK: Which information is not needed for solving the problem?

- a. the speed at which cheetahs can run
- b. how long it took the cheetah to run to the water hole
- c. how long it took the cheetah to run back to its den

ANSWER: It ran _____ seconds all together.

