



TEAS-SECTION-3^{Q&As}

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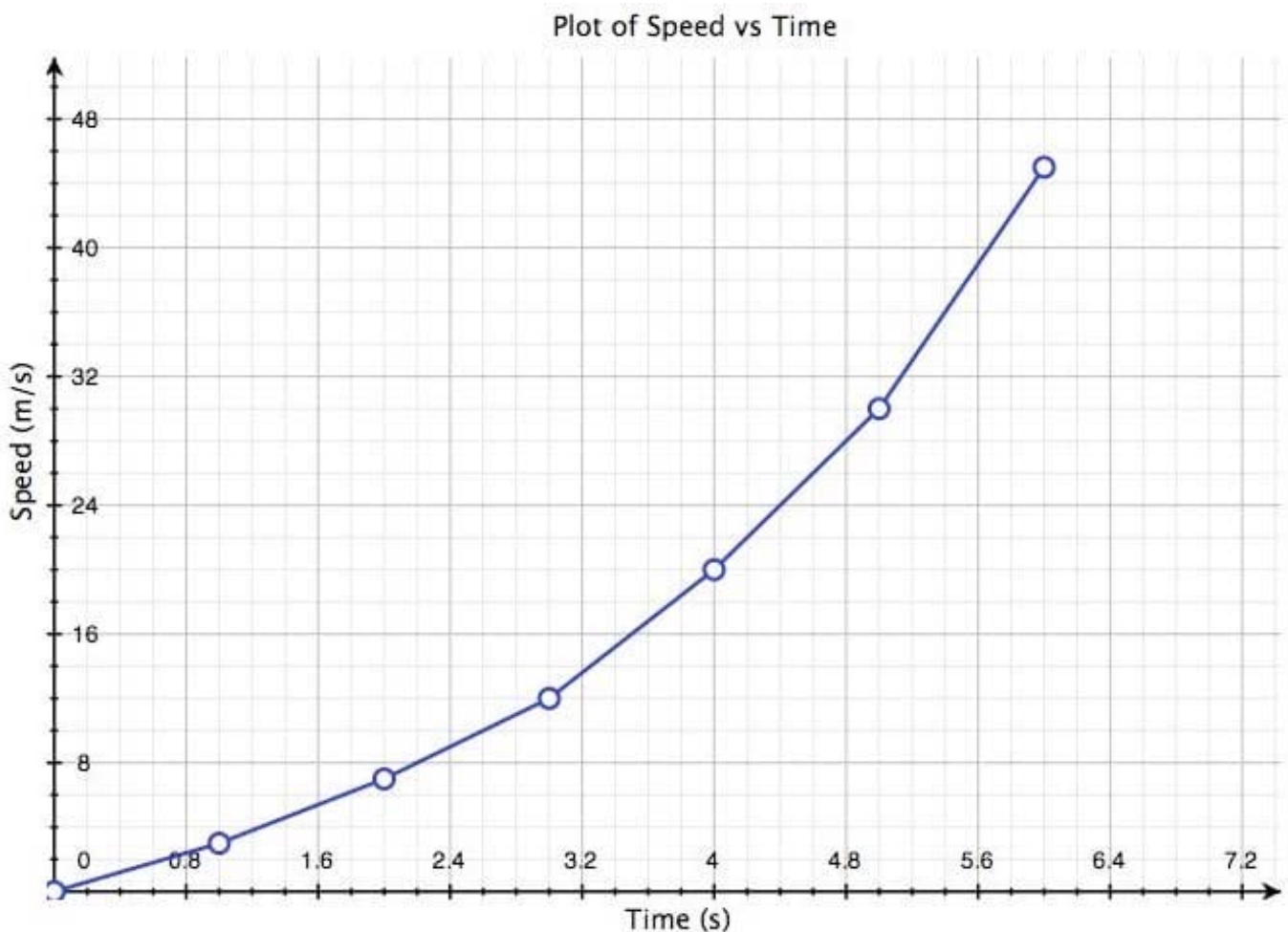


**QUESTION 1**

Ali is x years old and her sister Sara is $(10x - 24)$ years old. Given that Sara is twice as old as Ali, what is Sara's age?

- A. 8
- B. 10
- C. 24
- D. 6

Correct Answer: D

QUESTION 2

The figure shows a graph of the speed of a test vehicle, plotted every second for 6 seconds during an experiment.

Which of the following statements best describes the motion of the vehicle during this time?

- A. The vehicle starts by moving slowly and continues to pick up speed during the entire time.



- B. The vehicle slows down at first, then picks up speed during the last 2 seconds of the time measured.
- C. The vehicle is moving rapidly at the start of measurement and slows down to a stop at the end.
- D. The vehicle moves at the same speed the entire time.

Correct Answer: A

QUESTION 3

John, Lucy and Emma share 60 pencils in the ratio 4/5/6. How many pencils does Lucy receive?

- A. 24
- B. 16
- C. 3
- D. 20

Correct Answer: D

QUESTION 4

Restaurant customers tip their server only 8 percent for poor service. If their tip was \$3.70, how much was their bill?

- A. \$46.25
- B. \$44.60
- C. \$40.15
- D. \$50.45

Correct Answer: A

QUESTION 5



Precipitation (inches)			
Date	Albany	Coral Bay	Bunbury
6/1	0.01	0.02	0.02
6/2	0.25	0.35	0.00
6/3	0.55	0.75	0.20
6/4	0.00	0.45	0.10
6/5	0.90	1.01	0.50
6/6	2.00	2.15	1.90
6/7	0.95	1.05	1.15

What was the average amount of precipitation received in all areas on the fifth of the month?

- A. 0.95 inches
- B. 2.41 inches
- C. 1.01 inches
- D. 0.80 inches

Correct Answer: D

QUESTION 6

Multiply $21/7 \times 32/3$.

- A. $11/3$
- B. $132/45$
- C. $76/7$
- D. $4/7$

Correct Answer: C

QUESTION 7

Express 5.6 meters as a percentage of 8 meters.

- A. 70%
- B. 4.48%
- C. 25%



D. 75%

Correct Answer: A

QUESTION 8

A map has the scale of 4 cm to 1 km.

What is the actual area of a lake on ground which is represented as an area of 60 cm² on the map?

A. 3.75 cm²

B. 3.75 km²

C. 0.26 km²

D. 15 km²

Correct Answer: B

QUESTION 9

Which expression is equal to this one?

$$5x + 2 + \frac{9(x - 12)}{3} - x$$

A. 7x - 34

B. 8x + 34

C. 7x + 38

D. 13x - 7

Correct Answer: A

QUESTION 10

Which of the following is an improper fraction?

A. 2/3

B. 2.50

C. 5/2



D. 13/5

Correct Answer: C

QUESTION 11

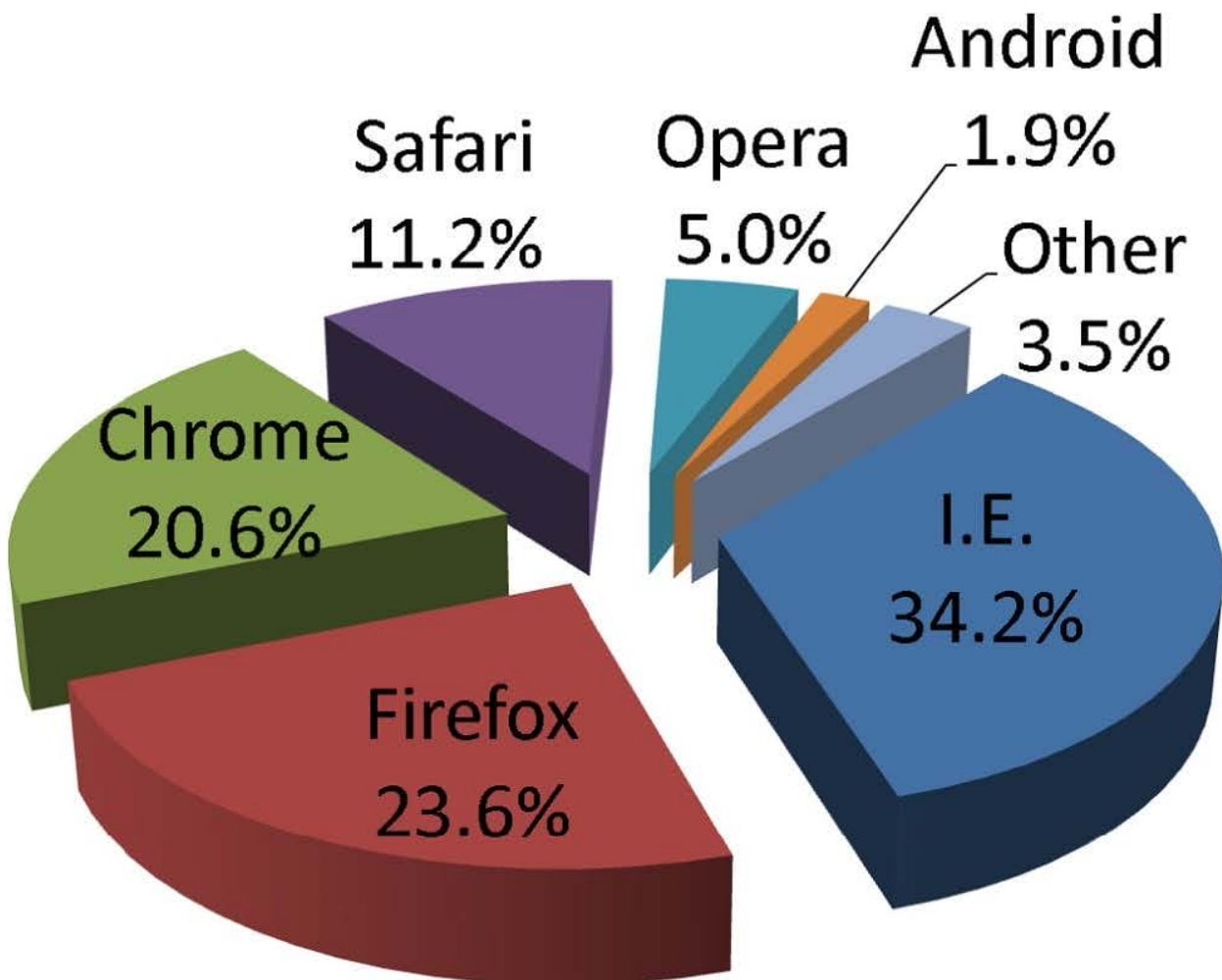
A review of data from 18 different studies found that there was a reduction in the risk of type 2 diabetes as people increased their consumption of coffee.

What valid conclusion can be made about the relationship between the consumption of coffee and the risk of type 2 diabetes, based on the results of this review?

- A. Studies have evidenced a positive covariance between coffee consumption and risk of type 2 diabetes.
- B. Studies have suggested that coffee consumption and risk of type 2 diabetes are uncorrelated.
- C. Studies have evidenced a random covariance between coffee consumption and risk of type 2 diabetes.
- D. Studies have evidenced a negative covariance between coffee consumption and risk of type 2 diabetes.

Correct Answer: D

QUESTION 12



Browser Usage on Wikimedia October 2011



The pie chart shows the percentage of computers using a given web browser when they visited the Wikimedia Commons site over the period of one month.

If 500 computers used Opera during that time, what was the total number of computers that visited the site?

- A. A total of 5,000 computers visited the site.
- B. A total of 2,500 computers visited the site.
- C. A total of 100,000 computers visited the site.
- D. A total of 10,000 computers visited the site.

Correct Answer: D

QUESTION 13

A group of friends set aside four days to drive across a particularly scenic region of the country, stopping at popular tourist spots along the way. They covered $\frac{1}{4}$ of the distance on day one, another $\frac{4}{9}$ on day two, and $\frac{1}{6}$ of the trip on day three.

What fraction of the total trip had they completed by the end of the third day?

- A. $\frac{12}{49}$
- B. $\frac{21}{36}$
- C. $\frac{31}{36}$
- D. $\frac{6}{9}$

Correct Answer: C

QUESTION 14

In a sale, all prices are reduced by 40%.

Calculate the original price of an article whose sale price is \$42.

- A. \$72
- B. \$58.80
- C. \$105
- D. \$70

Correct Answer: D

QUESTION 15



Arrange the numbers 0.09, 0.099, 0.9, 0.009, and 0.091 in order, from least to greatest.

- A. 0.09, 0.9, 0.091, 0.099, 0.009
- B. 0.009, 0.09, 0.9, 0.091, 0.099
- C. 0.009, 0.09, 0.091, 0.099, 0.9
- D. 0.09, 0.099, 0.009, 0.9, 0.091

Correct Answer: C

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