TEAS-SECTION-3^{Q&As}

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QUESTION 1

Mary is x years old. She is 6 years older than her twin brothers Sam and Paul. What is the mean age of the three children?

A. x - 2

B. x - 3

C. x - 4

D. x + 4

Correct Answer: C

QUESTION 2

Hamza purchased six 2-liter bottles of soft drink to serve at a pizza party with friends.

If the group drank 7,264 cubic centimeters of the soda during the party, about how many liters of soft drinks remained afterward?

A. 2 liters

B. 7 liters

C. 3 liters

D. 5 liters

Correct Answer: D

QUESTION 3

A tank is 12 cm high with a square base. Its sides are 10 centimeters wide. What is the volume of the tank in cubic centimeters?

A. 600

B. 1200

C. 120

D. 4800

Correct Answer: B

QUESTION 4

Given that a/12 = 4/10, find the value of a.

A. 5/12

B. 12/5

C. 24/5

D. 5/24

Correct Answer: C

QUESTION 5

The area of one face of a cube is 49 square centimeters. What is the total length of all its edges?

A. 48 cm

B. 98 cm

C. 112 cm

D. 84 cm

Correct Answer: D

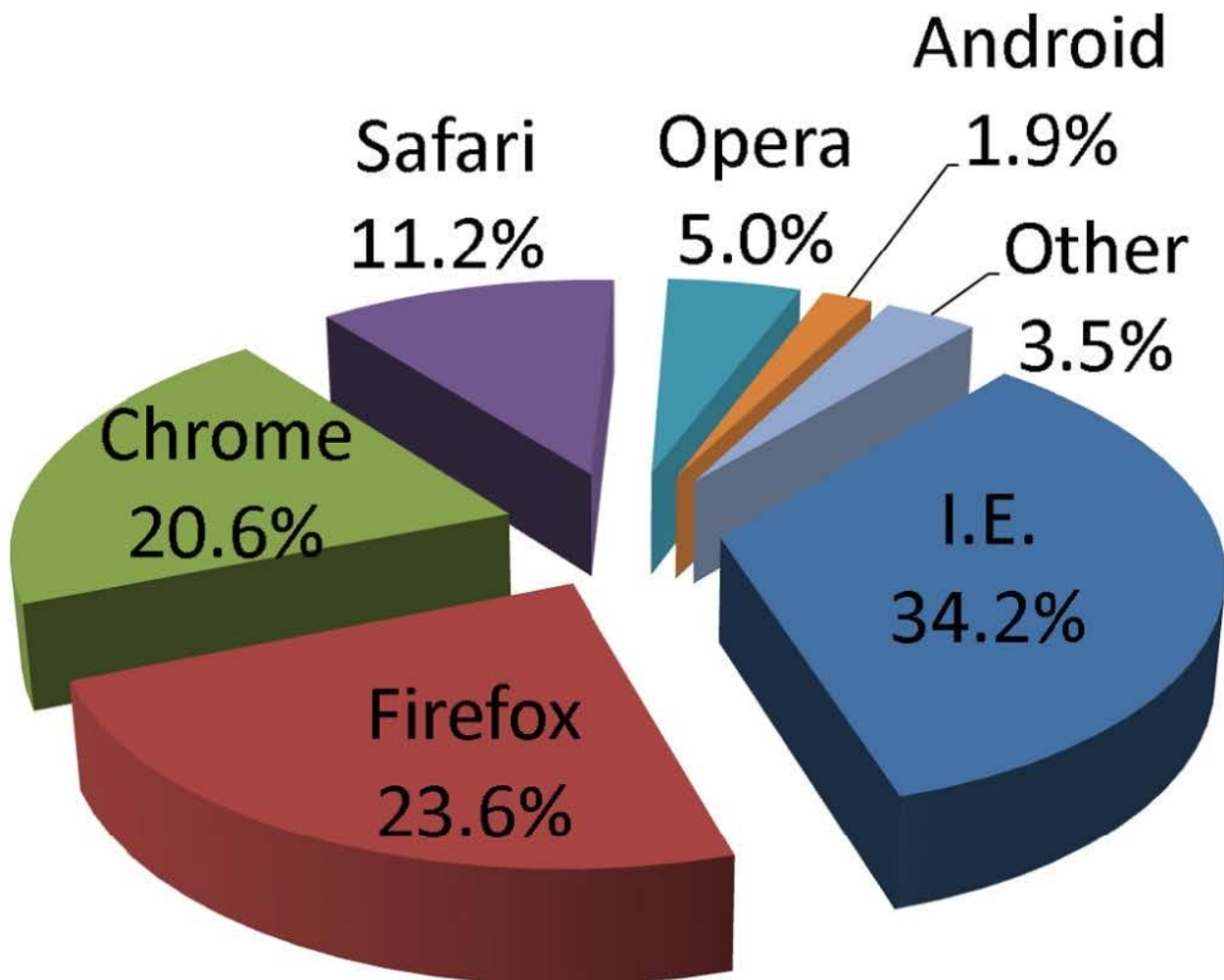---

QUESTION 6

If 42.8 kg is divided into two parts, in a ratio of 7/2, how many kg is the smaller share?

A. 9.51 kg

B. 12.22 kg

C. 0.856 kg

D. 21.4 kg

Correct Answer: A

QUESTION 7

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.

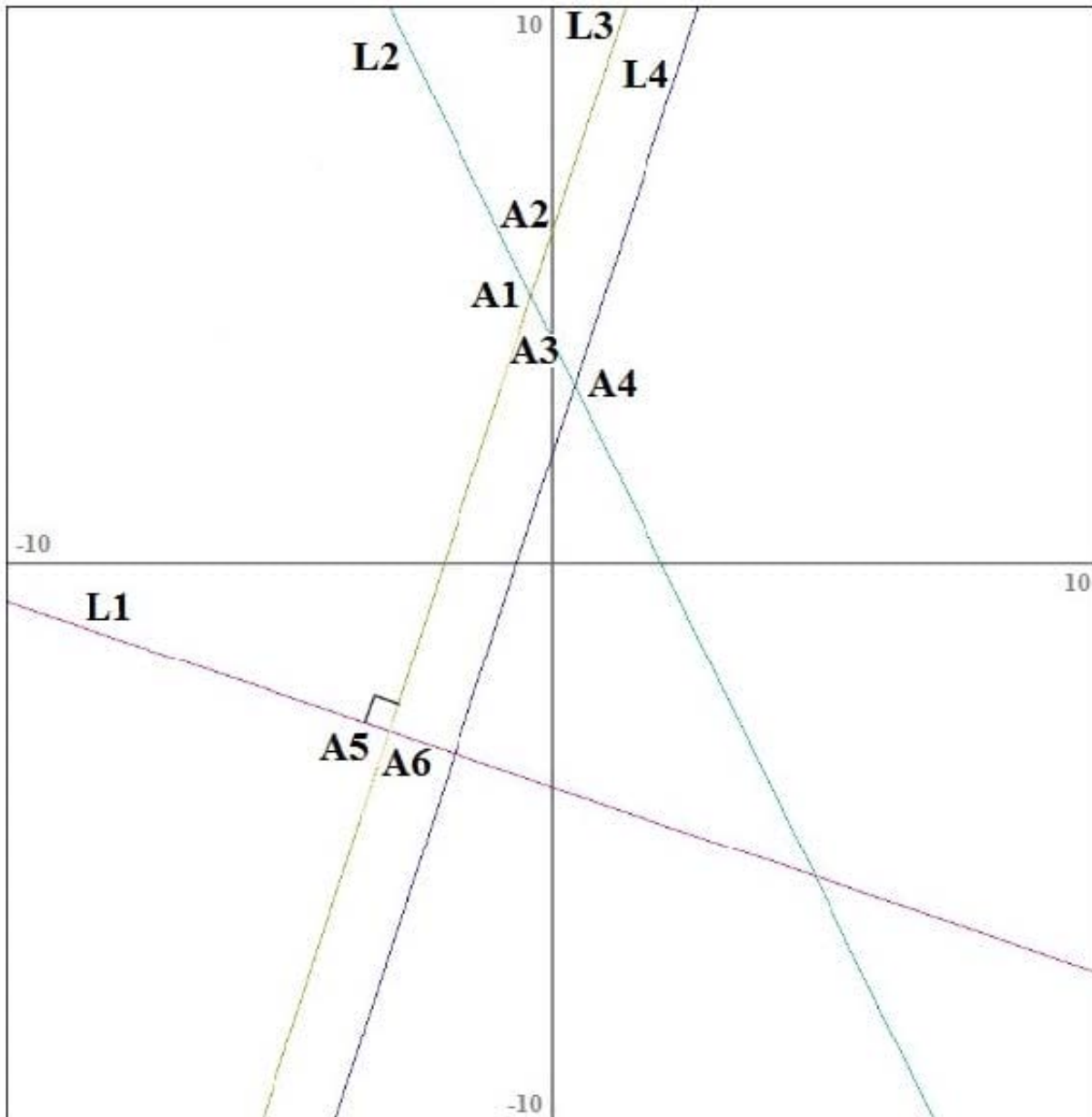D. A total of 10,000 computers visited the site.

Correct Answer: D

QUESTION 8

Divide:

$$\frac{\frac{7}{8}}{\frac{1}{16}}$$

A. 7/128

B. 13

C. 3

D. 14

Correct Answer: D

QUESTION 9

In the figure, the lines L3 and L4 have the same slope.

Which of the following terms best describes their relationship?

A. transversals

B. parallel

C. perpendicular

D. There is no relationship between these lines.

Correct Answer: B

QUESTION 10

Solve the equation and choose the best answer. $9/b = b/4$

A. 7

B. 6.2

C. 6

D. 36

Correct Answer: C

QUESTION 11

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

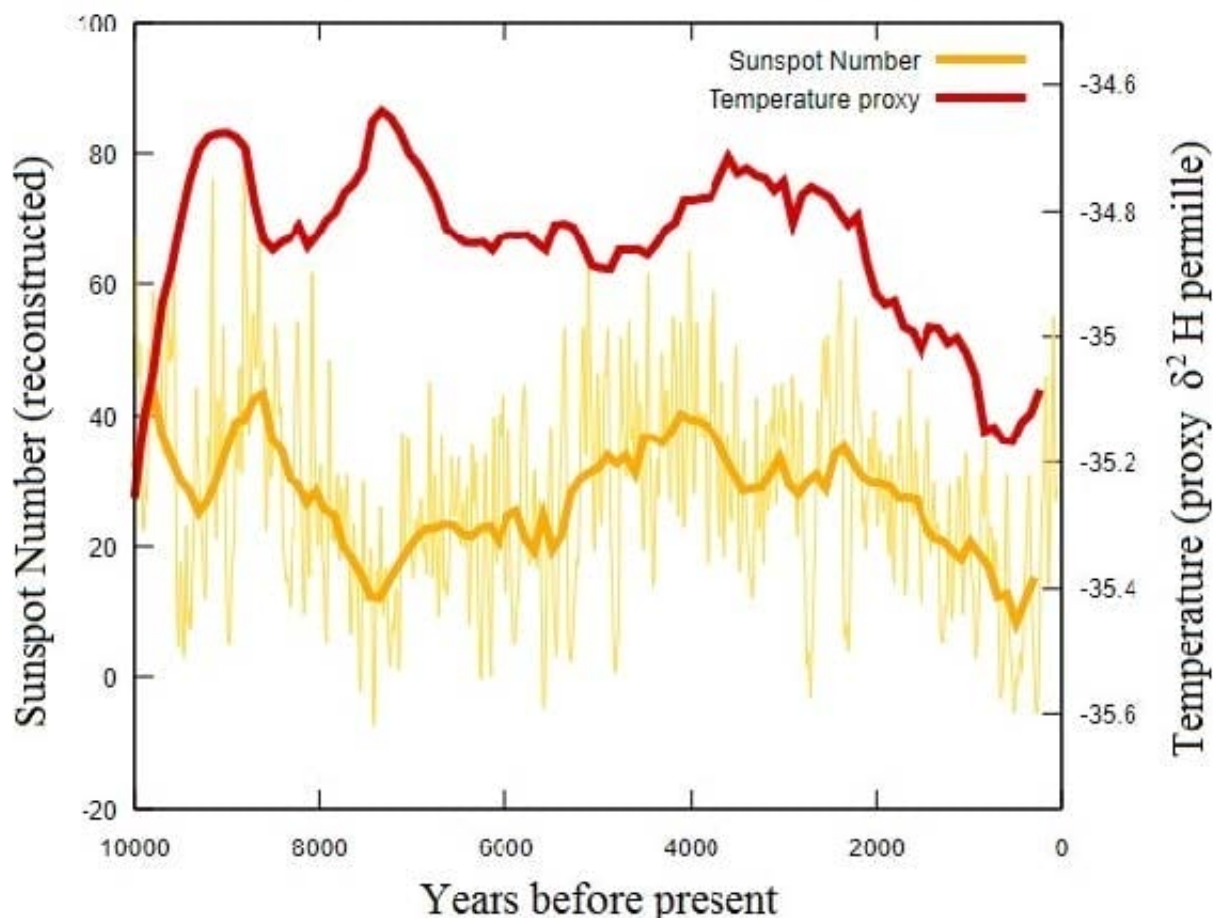What is the actual area of a lake on ground which is represented as an area of 60 cm2 on the map?

A. 3.75 cm2

B. 3.75 km2

C. 0.26 km2

D. 15 km2

Correct Answer: B

QUESTION 12

Sunspot Activity and Temperature

The graph shows the number of sunspots and the measurement of a variable that estimates the average global temperature ("the temperature proxy").

Which of the following statements best describes the correlation between these 2 measurements?

A. Sunspots were not correlated with temperature between 8,000 and 6,000 years ago and were negatively correlated with temperature from about 2,000 years ago to the present.

B. Sunspots were not correlated with temperature between 8,000 and 6,000 years ago and were positively correlated with temperature from about 2,000 years ago to the present.

C. Sunspots were negatively correlated with temperature between 8,000 and 6,000 years ago and were negatively correlated with temperature from about 2,000 years ago to the present.

D. Sunspots were negatively correlated with temperature between 8,000 and 6,000 years ago and were positively correlated with temperature from about 2,000 years ago to the present.

Correct Answer: D

QUESTION 13

Three numbers a, b and 27 have a mean of 30. What is the value of a + b?

A. 67

B. 63

C. 31

D. 28

Correct Answer: B

QUESTION 14

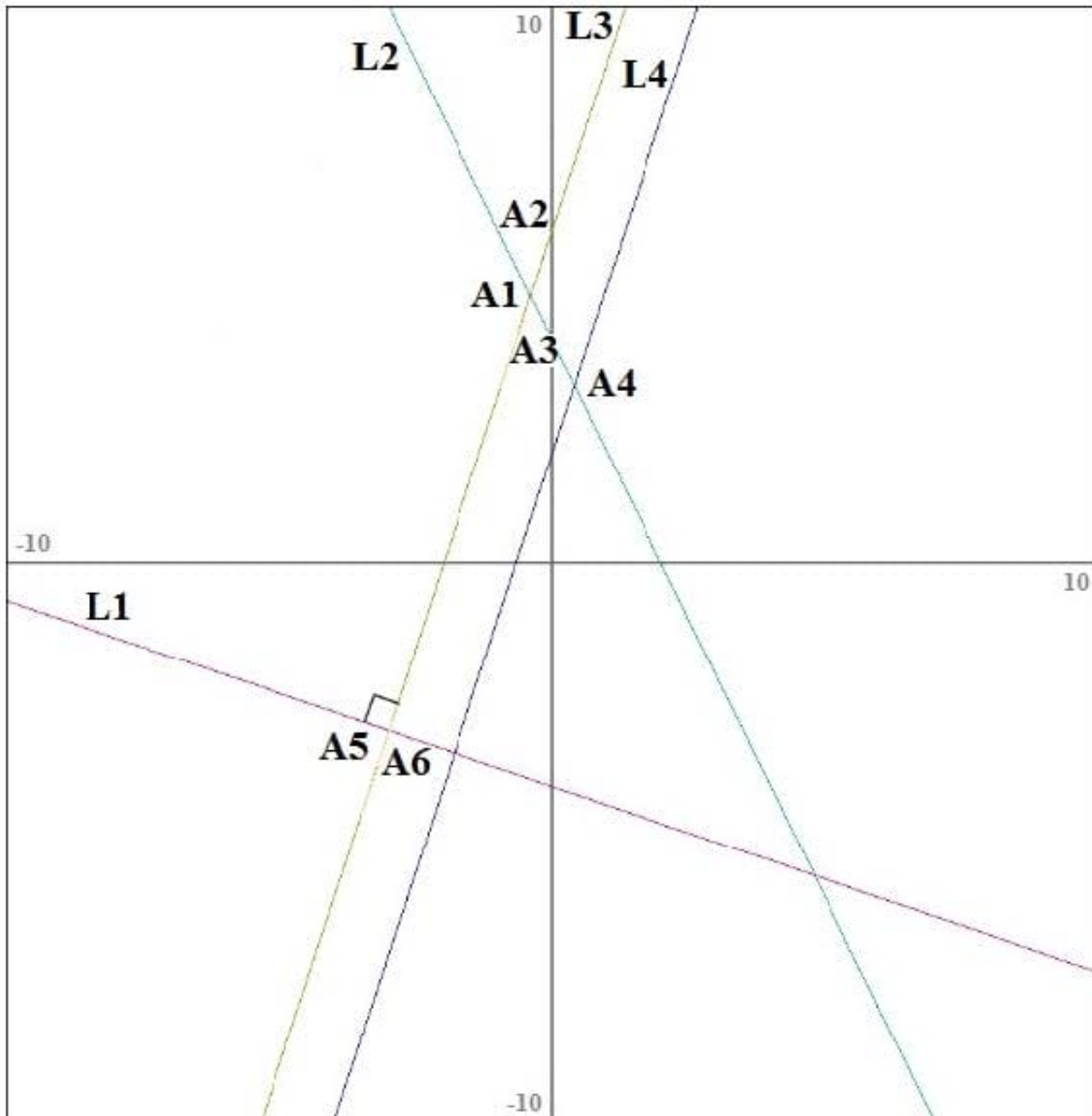Express this number as a percentage: 9/40.

A. 0.0225%

B. 22.5%

C. 0.225%

D. 2.25%

Correct Answer: B

QUESTION 15

In the figure, which of the following pairs of lines are perpendicular?

A. There are no pairs of perpendicular lines in this figure.

B. lines L1 and L2

C. lines L1 and L3

D. lines L2 and L3

Correct Answer: C