



Mathletes Challenge

2026

Sudden Death - Test I

Unleash your problem-solving power!

Question 1

Which expression has the same value as $\frac{28}{6}$?

A $14 \times \frac{1}{2}$

B $14 \times \frac{1}{6}$

C $28 \times \frac{1}{2}$

D $28 \times \frac{1}{6}$

Question 2

An expression is shown below.

$$542 \times 9$$

What is the value of the expression?

A 4,568

B 4,578

C 4,868

D 4,878

Question 3

Which expression has the same value as the fraction $\frac{13}{10}$?

A $\frac{8}{5} + \frac{5}{5}$

B $\frac{8}{5} + \frac{2}{5} + \frac{3}{10}$

C $\frac{8}{10} + \frac{5}{5}$

D $\frac{8}{10} + \frac{2}{10} + \frac{3}{10}$

Question 4

The price of a house rounded to the nearest ten thousand dollars is \$220,000.
Which number could be the price of the house?

A \$213,690

B \$224,830

C \$227,310

D \$230,150

Question 5

Sam buys 4 packages of baseball cards. Each package has 12 cards. Sam gives all of the baseball cards to 3 friends. Each friend receives the same number of cards. Which set of equations can be used to determine the number of cards, c , each friend receives?

A $12 + 4 = 16$
 $16 \times 3 = c$

C $12 + 4 = 16$
 $16 \div 3 = c$

B $12 \times 4 = 48$
 $48 \times 3 = c$

D $12 \times 4 = 48$
 $48 \div 3 = c$

Question 6

Which expression is equivalent to $8 \times \frac{3}{5}$?

A $11 \times \frac{1}{5}$

B $11 \times \frac{3}{5}$

C $24 \times \frac{1}{5}$

D $24 \times \frac{3}{5}$

Question 7

In which number does the digit 7 represent a value that is ten times greater than the value represented by the digit 7 in the number 27,325 ?

- A 95,724
 - B 87,615
 - C 74,538
 - D 62,479
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Question 8

Rob draws a rectangle with a length of 6 inches and an area of 24 square inches. What is the width, in inches, of Rob's rectangle?

- A 4
- B 6
- C 18
- D 30

Question 9

Which comparison is true?

A $\frac{1}{3} = \frac{4}{6}$

B $\frac{2}{5} < \frac{4}{10}$

C $\frac{3}{4} > \frac{7}{8}$

D $\frac{5}{10} = \frac{3}{6}$

Question 10

A group of friends is sharing 6 cookies. The number of cookies is 2 times the number of friends. Which equation can be used to determine the number of friends, f , that are sharing the cookies?

A $6 \div 2 = f$

B $6 - 2 = f$

C $6 + 2 = f$

D $6 \times 2 = f$

Question 11

Which value can replace the unknown to make the equation shown below true?

$$3\frac{2}{4} + \underline{\quad?} = 4\frac{1}{4}$$

A $\frac{3}{4}$

B $\frac{5}{4}$

C $7\frac{1}{4}$

D $7\frac{3}{4}$

Question 12

What is the quotient of $4,523 \div 4$?

A 1,130

B 1,130 r3

C 1,131

D 1,131 r1

**END
OF
TEST**

ANSWER KEY - Sudden Death 1

1. D	11. A
2. D	12. B
3. D	
4. B	
5. D	
6. C	
7. C	
8. A	
9. D	
10.A	