



## Sample Questions

### Age Group 2

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#### Math Mysteries:

Mr. Johnson's age is a mystery. He is three times as old as his son, who is 8 years old. How old is Mr. Johnson?

- A. 8 years old
- B. 16 years old
- C. 24 years old
- D. 32 years old

D. 20

#### Decimal Adventures:

What is the result of multiplying 0.3 by 0.4?

- A. 0.12
- B. 0.16
- C. 0.24
- D. 0.34

#### Geometry Giants:

What is the sum of the angles in a triangle?

- E. 90 degrees
- F. 180 degrees
- G. 270 degrees
- H. 360 degrees

#### Algebraic Journey:

Solve for x

$$2x + 5 = 15.$$

- A.  $x = 5$
- B.  $x = 7$
- C.  $x = 10$
- D.  $x = 15$

#### Fraction Frenzy:

Which fraction is equivalent to  $\frac{3}{4}$ ?

- A.  $\frac{1}{3}$
- B.  $\frac{2}{3}$
- C.  $\frac{4}{6}$
- D.  $\frac{5}{8}$

#### Measurement Mania:

What is the perimeter of a rectangle with length 8 cm and width 5 cm?

- A. 13 cm
- B. 16 cm
- C. 26 cm
- D. 40 cm

#### Data Detective Agency:

The government is analyzing a dataset of temperatures in different cities. In one city, the temperature is 20 degrees Celsius, and in another city, it is 5 degrees Celsius. What is the difference in temperature between the two cities?

- A. 10
- B. 15
- C. 20

#### Probability Puzzlers:

What is the probability of rolling a number greater than 3 on a standard six-sided die?

- A.  $\frac{1}{6}$
- B.  $\frac{1}{3}$
- C.  $\frac{1}{2}$
- D.  $\frac{2}{3}$