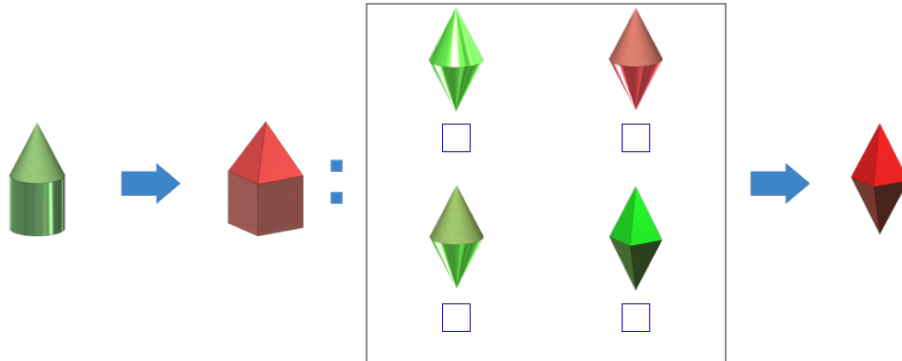


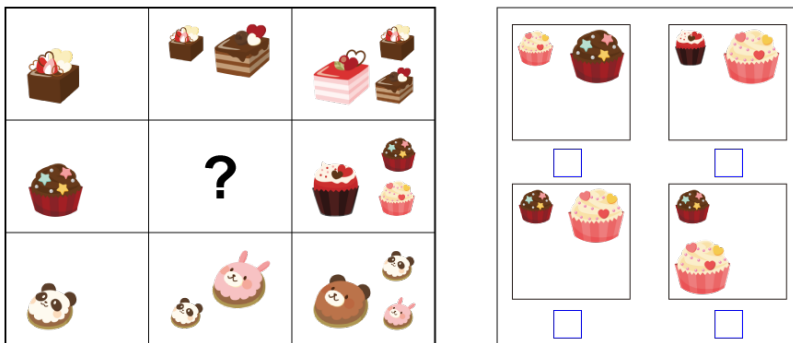
Sample questions 5th grade

Figurative reasoning

Choose the figure that completes the analogy.



Select the figure that completes the analogy.



Verbal reasoning

Harold: Is this your breakfast menu for the week?

Monday	Tuesday	Wednesday	Thursday	Friday
Toast	Cereal	Toast	Cereal	Toast

Ryan: Only 3 are correct.

Harold: Is this right then?

Monday	Tuesday	Wednesday	Thursday	Friday
Toast	Cereal	Cereal	Toast	Toast

Ryan: Only 1 is correct. Monday and Tuesday are wrong.

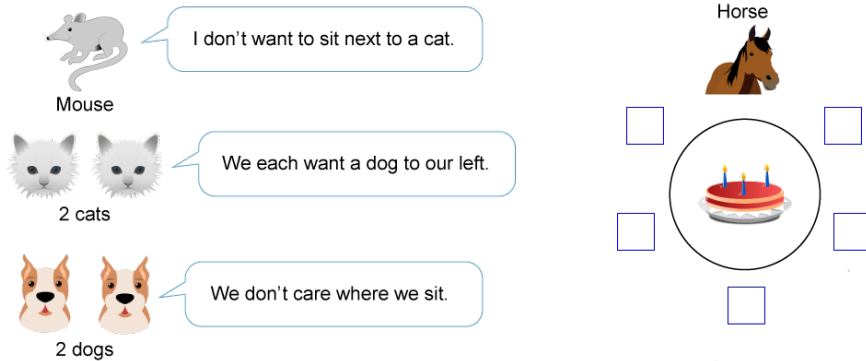
What did Ryan have for breakfast this week? Write the correct number. (1 = cereal, 2 = toast)

Monday	Tuesday	Wednesday	Thursday	Friday
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2 cats, 2 dogs, and a mouse are celebrating a horse's birthday.

Given the information and the diagram, determine the seating order.

Write the correct numbers in the blanks. (1 = mouse, 2 = cat, 3 = dog)



Numerical reasoning

Fill in the missing number.

2 4 8 3 9 27 4 16 64 5 125

In this addition problem, different letters represent different numbers.
What numbers do A and B represent?

$$\begin{array}{r} A\ 1\ 7\ A \\ +\ 1\ 5\ B\ B \\ \hline B\ 7\ 7\ 7 \end{array}$$

Answer: A = , B =

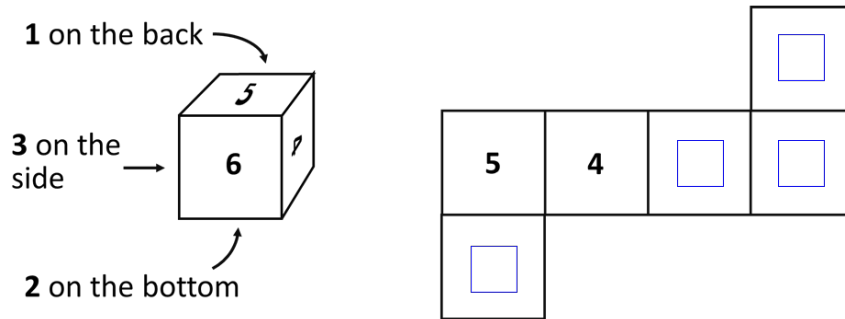
In this calculation, different letters represent different numbers.
What numbers do A and B represent?

$$\begin{array}{r} A\ 5\ A \\ \times\ \quad 5 \\ \hline 3\ B\ 8\ 0 \end{array}$$

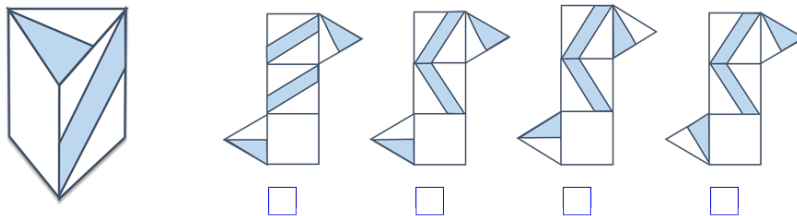
Answers: A = B =

Spatial reasoning

Fill in the blanks on the unfolded cube pattern.



Select the correct pattern for the triangular prism.



Logical reasoning/deductive reasoning

Jack, Matt, Tom, and Mary competed at a science fair and each won a prize.
Figure out each person's rank.

- Jack did not get the first prize.
- Matt told Tom that he would get a higher prize than Tom next time.
- Mary got a higher prize than Tom.
- Tom congratulated Jack on his higher prize.

	Jack	Matt	Tom	Mary
1 st	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 nd	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 rd	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 th	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

There are 20 students in a class.
11 students are members of the sports club and 7 students are members of the music club. 5 students are not members of either club.
How many students are members of both clubs?

Answer: students

Logical reasoning/arithmetic

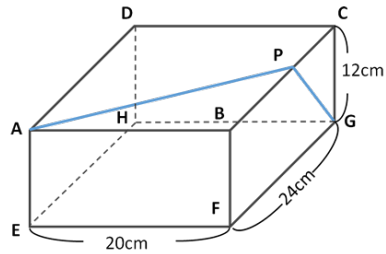
You connect vertex A and vertex G of the rectangular prism ABCDEFGH with a ribbon.

- 1 Find the shortest length of the ribbon that connects corner A to corner G.

Answer: cm

- 2 Find the length of BP.

Answer: cm



There are 64 rabbits in Happy park.

The number of rabbits in the park doubles every 9 months.

How long ago was the number of rabbits less than 5?

Answer: 1 year ago 2 years ago 3 years ago 4 years ago

A school is going on a field trip.

There are 21 children and 2 adults on each bus.

If a total of 115 people are on this trip, how many children are there?

Answer: children