

Grade 4 Student Choice Board

Mental Math

240

The answer is 240. What might the question have been?

List different questions that have an answer of 240.

Can you think of questions for each operation? +, -, x, ÷

3-D Prism Hunt



Take a walk outside or around your house. Can you find any 3-D prisms?



Make a list and describe real life items that are prisms.

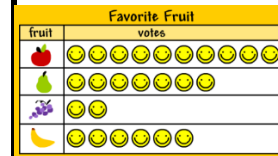
You can make 3-D objects with toothpicks and mini marshmallows or clay. Sort your objects by prisms and not prisms.

[More STEAM Marshmallow Challenges](#)

Pictographs

Read the graph below. Tell 3 facts from this data.

= 5 people



Interview family and friends to find out their favorite healthy fruit snack. Create your own pictograph to show the results.

[Types of Graphs](#)

Multiplication War

Use a deck of cards with the face cards removed. Shuffle and place deck face down. Each player turns over two cards and multiplies the numbers together to find the product. The player with the highest answer wins that round. If the total is the same, you go to battle! Each player turns over two more cards. The highest product wins all 4 cards. The winner is the player with the most cards at the end.

What Do You Notice?

Write at least 3 different things you notice.



[Other images to try!](#)

Coins in My pocket

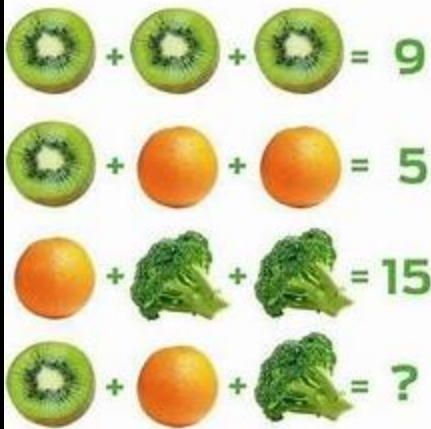
I have some coins in my pocket. The value is \$1.20. What could the coins be?

List different possibilities.



[Try this money game!](#)

Number Riddle



Create another number riddle for someone to solve.

Time

Research interesting facts about time. What time will the sunset tonight? What time is sunrise? New Brunswick is by the Atlantic Ocean. When is the next high tide in the Fundy Bay? How long do you spend on different activities throughout the day? You may like to create a schedule outlining your regular routine.

Play a Game

Enjoy playing a favorite card or board game at home: Checkers, Chess, Yahtzee, Battleship, Sudoku, Crazy Eights, Crib. You may want to complete a jigsaw puzzle or play I Spy by describing an objects' attributes and geometrical form – cube, prism, cylinder, sphere.

Grade 4 Choice Board Family Guide

Mental Math

240

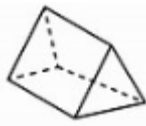
The answer is 240. What might the question have been?

Allow time for child to list responses. When they think there are no more, ask if they can think of any with a different operation such as subtraction, multiplication or division. Sample responses: $250-10$, $300-60$, 24×10 , 6×40 , 30×8 , $480 \div 2$

3-D Prism Hunt



Take a walk outside or around your house. Can you find any 3-D prisms?



A prism is a solid that has two faces that are parallel and congruent. These are called the bases of the prism.

A tissue box is a rectangle prism.

An ice cube is a cube.

A tent or Toblerone chocolate bar are examples of triangular prisms.

Pictographs

Notice that each 😊 equals 5 people. To read the graph correctly, students need to skip count by fives. In Grade 4, the pictograph symbols can have a many-to-one correspondence.

Students may use tally marks to keep track of their personal data when interviewing family and friends. They can choose any symbol for their graph and tells us what it equals. It may be worth only 2 each. Graphs have a title. Remind the child to add a title to the graph to make it complete!

Multiplication War

This game is not about speed. Highest product or answer keeps the cards. It is helpful when practicing to say the whole fact.

For example $8 \times 5 = 40$. If a student doesn't know the fact, encourage them to use a strategy such as skip count from known fact or doubling

What Do You Notice?



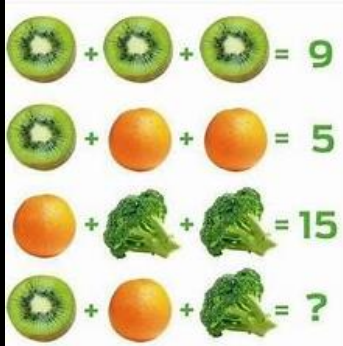
Write at least 3 different things you notice. Children may notice that the tray is in 3 rows of 5, $3 \times 5 = 15$ Space for 15 plants. 10/15 spaces are filled with plants. They may discuss how they counted the plants. $3+3+3+1$ or 6 to left of stick and 4 beside the stick. There are a variety of responses. Click on blue link for other images that inspire math talk. [Other images to try!](#)

Coins in My pocket

The value is \$1.20. What could the coins be? List different possibilities. It is helpful if children have a small bag of real coins or pencil & paper to try out possibilities. Children may need practice with value of coins and counting like coins before counting mixed coins if they have not had a lot of exposure. Many students need this time for review and practice as they do not use cash on a daily basis. Online link:

[Try this money game!](#)

Number Riddle



This riddle starts by solving for the Kiwi. Three groups of the same number equals nine. Therefore the Kiwi must be worth three each. $5-3=2$ Therefore, each orange is worth one. $15-1=14$ two broccoli pieces are worth 14, $14 \div 2$ each broccoli is worth 7.

$$3 + 1 + 7 = 11$$

The solution to the riddle is eleven

Time

Use the Internet to research interesting facts about time-sunset, sunrise, high or low tide. If you do not have access to the internet, discuss regular daily routines and create a daily or weekly schedule.

Play a Game

Enjoy playing a favorite game or puzzle from home. If you do not have access, play I Spy! A player begins by saying "I see something that is..." and describes the object's attributes- white, soft, a cylinder. Others try to guess after each attribute is listed. If not correct, describe another attribute.