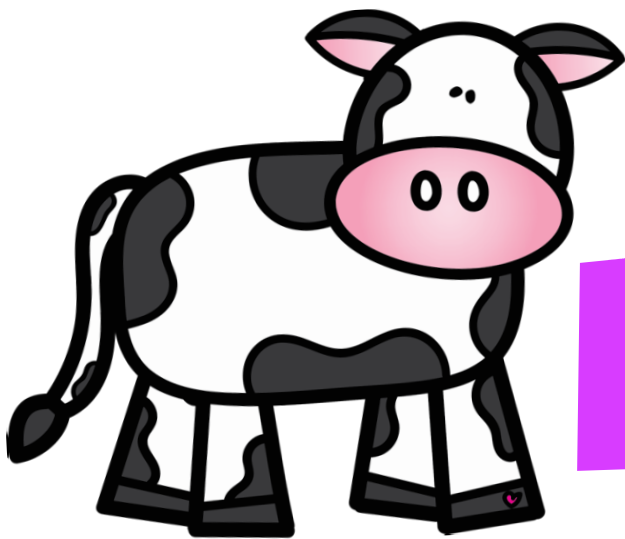


7 cards

Math **Brain Teasers**



Freebie

Math Problem **Task cards**

Large cards

Small cards

Worksheets

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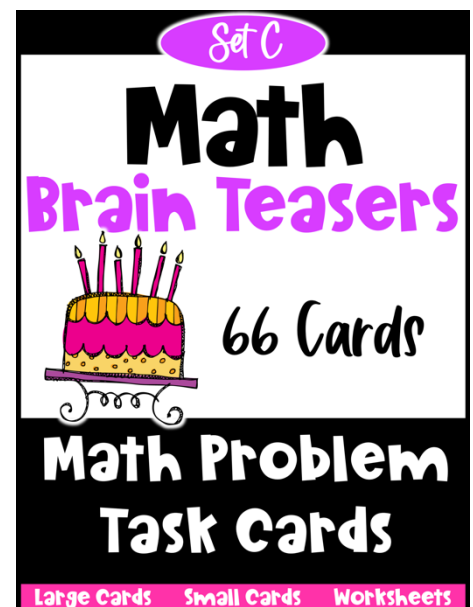
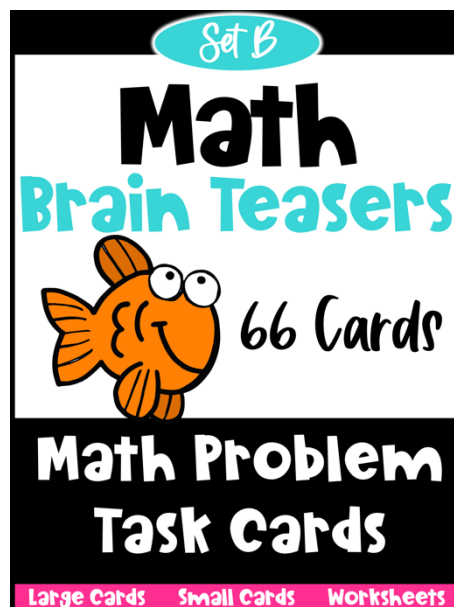
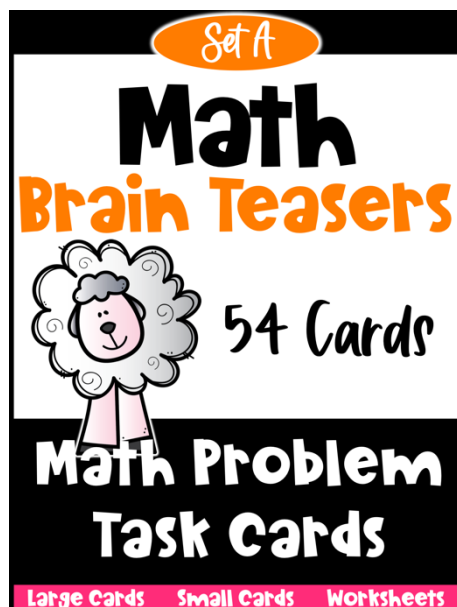
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Different Formats

Each Brain Teaser is presented in 2 different formats. This allows the cards to be used in three different ways.

Large Card size with 2 to a page – cut each page into 2 cards

Small Card size with 7 to a page – cut the page into 7 small cards

OR

Worksheet – the small cards with 7 on a page can also be used as a worksheet. Just print one for each student.

Digital – The large size can also be assigned using TpT's Digital Easel Tool.



Preparing the Cards

To create Brain Teaser Cards, choose the card size that you require and print on cardstock or print on paper and cut into cards. Laminate if desired. To create the worksheet just print a page of small cards.

Recording Sheets

A recording sheet has been provided on page 7. Students can use this sheet to record the answers for the brain teasers. There is space on the sheet for students to record their working or draw a diagram if required.

Using the Brain Teaser Cards

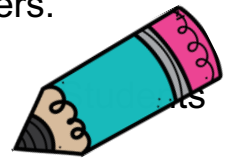
Try using the Brain Teasers in different ways until you find the approach that works best for you and your students.

- **Individuals** can work on the Brain Teasers attempting to find an answer by themselves.
- Students can work in **pairs**. This encourages peer tutoring and also cooperation. Students also have the opportunity to communicate mathematical concepts and explain their reasoning and strategies. Each pair must give one agreed upon solution which means that they are required to convince their partner that they are correct.
- **Small groups** can be given the Brain Teasers to solve and then encouraged to provide just one agreed upon answer for each. This method develops group skills, cooperation and communication of mathematical concepts as students explain their reasoning and strategies.

The following pages contain suggestions for using the Brain Teaser Task Cards.

Suggestions for Using the Task Cards

1. **Math Centers** – The task cards can be used in a math center. Provide the cards and the answer sheets for students to record their answers.
2. **Whole Group Activity** – The task cards can also be used as a whole class activity. The cards can be projected onto a smartboard and students can be given a set time to answer each card before solving them with the class.
3. **Pairs Activity** – Task cards can also be completed in pairs. Each student can record their answer on their answer sheet and then check it with their partner. If they have different answers they can discuss and explain their answers.
4. **Homework** – Task cards can be given for homework. Students can take cards to answer at home.
5. **Fast Finishers** – Task cards can be used as an activity for students when they have completed their work. The cards can be set aside for students to access as soon as their work is completed.
6. **Math Extension** – These brain teasers task cards are ideal as an extension activity for advanced students. Students can work on these when they finish their work early or can work in a small group and solve these math brain teasers working independently or working in pairs to solve each one.
7. **Scoot** – This is an active way for students to complete task cards. Distribute the cards that you would like students to use at several 'stations' around the room. 2 cards can be placed at a station. Students move around the stations with their recording sheet. Students answer as many task cards as possible in the time they are given at a station. When 'Scoot', is called they move to the next station.
8. **Around the Room** – Display the cards around the room. Students move around the room with their recording sheet on a clip board. They move from card to card recording the answers on their sheet. Give students a set amount of time to answer as many cards as they can before marking and discussing the answers with the students.



Suggestions for Using the Task Cards continued

9. **Daily Challenge** – Display a brain teaser (enlarged) as a Daily Challenge and introduce it to students in the morning. Give the students until the end of the day to solve the brain teaser. Correct at the end of the day. Students who have answered correctly have their name added to the Daily Challenge Champs Board for the next day.
10. **Math Lesson Warm Up** – A brain teasers can be given to the whole group as a challenge to start the math session each day. These can be projected onto a smartboard for the whole group to see.
11. **Interactive Notebook Activity** – Print the small cards on a sheet of paper. Students cut out each card and glue them onto a page of an interactive notebook, gluing only along the top so that they can lift the flap and write their answer under the card.

**I would like to wish you and your students lots of fun and lots of learning
whichever way you choose to use the Math Brain Teasers!**

Teresa





Math Brain Teasers

Name _____



A Who Has the Most Shells?

B Favorite Numbers

C In a Circle

D 3 Colors

E Patterns

F Squares

G 13 Animals

Large Math Brain Teasers Cards

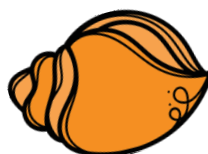
2 to a page



A

Who Has the Most Shells?

Three friends have all been collecting shells.
Bree has twice as many as Dylan. Ashley has one more than Bree. Dylan has 12 shells.
List the three friends in order from who has the least shells to who has the most. How many does each person have?



Math Brain Teasers

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B

Favorite Numbers

Bella has several favorite numbers. Read the clues to work out what they are.

- Each one is an odd number.
- Each one has two digits.
- The sum of the digits is 6.

What are Bella's favorite numbers?



Math Brain Teasers

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C

In a Circle

A number of children are standing in a circle evenly spaced out.

If the 5th person is opposite the 13th person, how many people are in the circle?



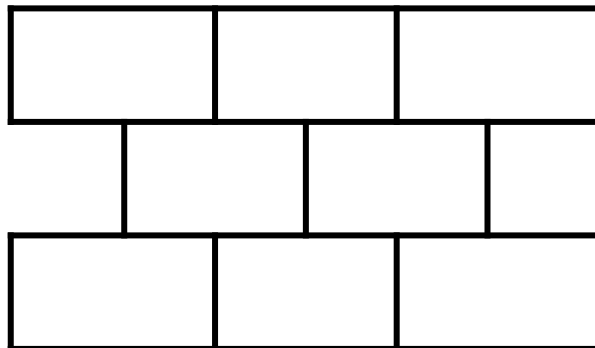
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D

3 Colors

Color the bricks using 3 different colors, so that no 2 bricks of the same color are touching.



Math Brain Teasers

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E

Patterns

Draw the next three shapes in each row to complete the patterns.

□ △ ○ ○ ○ □ △ ○ ○ _ _ _

○ ☆ ○ ○ ☆ ○ ○ ○ ☆ ○ ○ _ _ _

□ △ ♥ ◑ □ □ △ ♥ ◑ □ □ □ _ _ _

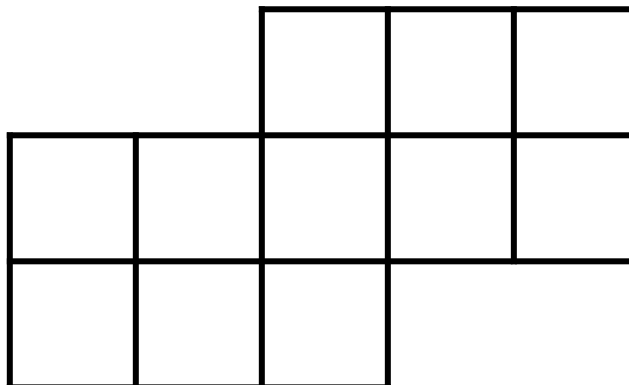
Math Brain Teasers

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F

Squares

How many squares can you see in this shape?
HINT: Remember to count squares of all sizes.



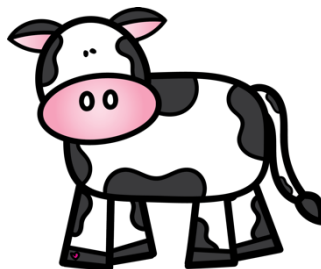
Math Brain Teasers

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G

13 Animals

Farmer Freddy keeps his cows and ducks in the barn. If there are 13 animals in the barn and altogether they have 34 legs, how many cows and how many ducks does he have?



Math Brain Teasers

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Answer Key

A. Who Has the Most Shells?

Dylan (12), Bree (24), Ashley (25)

B. Favorite Numbers

15, 33, 51

C. In a Circle

16 Children

D. 3 Colors

a	c	b
	b	a
a	c	b

E. Patterns



F. Squares

15 squares

G. 13 Animals

4 cows

9 ducks

Math Brain Teasers

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Small Math Brain Teasers Cards

1 on the page

Cut into small cards

or

use the page as a worksheet.



Math Brain Teasers



A Who Has the Most Shells?

Three friends have all been collecting shells. Bree has twice as many as Dylan. Ashley has one more than Bree. Dylan has 12 shells.

List the three friends in order from who has the least shells to who has the most. How many does each person have?



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Bella has several favorite numbers. Read the clues to work out what they are.

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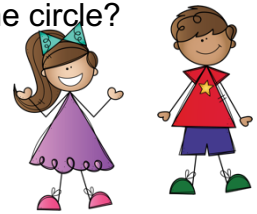
What are Bella's favorite numbers?



C In a Circle

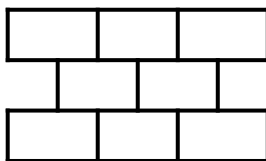
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Color the bricks using 3 different colors, so that no 2 bricks of the same color are touching.



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□ △ ○ ○ ○ □ △ ○ ○ _ _ _

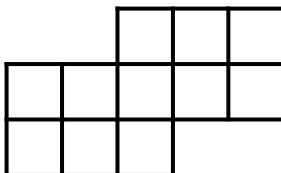
○ ☆ ○ ○ ☆ ○ ○ ○ ☆ ○ ○ _ _ _

□ △ ♥ ◇ □ □ △ ♥ ◇ □ □ □ _ _ _

F Squares

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G 13 Animals

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Thank You!

I would like to take this opportunity to thank you for trying Math Problems and Math Brain Teasers Task Cards Freebie and to wish you and your students lots of fun with these activities!

If you and your students enjoy these activities please consider leaving a comment and rating for the product.

Kind regards,
Teresa

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Set A Math Brain Teasers

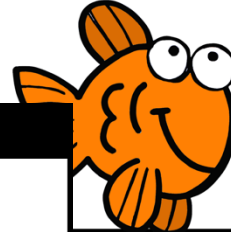


54 Cards

Math Problem
Task Cards

Large Cards Small Cards Worksheets

Set B Math Brain Teasers



66 Cards

Math Problem
Task Cards

Cards Small Cards Worksheets

Set C Math Brain Teasers



66 Cards

Math Problem
Task Cards


Large Cards Small Cards Worksheets



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