

小學數學科一站式套裝教學材料 攤位簡介

1. Practise mental arithmetic(心算) through throwing dice (EMG01)

Modern Mathematics
21st Century

Practise mental arithmetic (心算) through throwing dice

Rule of the game

★ Lower Primary ★
It's a game for two persons and each takes turn to throw 2 dice. The person, who is faster in calculating the **sum** of the numbers showing on the dice, wins the game. Try the game for 2 rounds.

★ Middle Primary ★
It's a game for two persons and each takes turn to throw 2 dice. The person, who is faster in calculating the **product** of the numbers showing on the dice, wins the game. Try the game for 2 rounds.

★ Upper Primary ★
It's a game for two persons and each takes turn to throw 3 dice. The person, who is faster in calculating the **product** of the numbers showing on the dice, wins the game. Try the game for 3 rounds.

$6 + 4$
 4×6

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4. Stationery Circus (EMG04)

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Stationery Circus

Rule of the game

★ Lower Primary ★
Draw two stationery marked price picture cards. Calculate the sum of the marked prices appearing on the cards.

★ Upper Primary ★
Draw one stationery marked price picture card and one quantity card. Calculate the total amount of money needed.

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2. How much do you know about prime numbers? (EMG02)

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How much do you know about prime numbers?

Rule of the game

Draw a number card and decide whether or not it is a prime number. Throw the rubber band over the suitable bottle.

Prime numbers: 10, 4, 23, 5, 11, 8, 3, 2

Composite numbers: 11, 8, 3, 2

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5. Clock turning (EMG05)

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Clock turning

Rule of the game

Draw a "24-hour" time card. Turn the hour hand and minute hand of the clock according to the time shown on the card.

18:30

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3. Practise mental arithmetic(心算) through drawing number cards (MG03)

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Practise mental arithmetic (心算) through drawing number cards

Rule of the game

★ Lower Primary ★
Draw two number cards (1-100) and one symbol card (add/subtract). Arrange the cards on the table to form a sensible number sentence, then do the mental arithmetic and say the answer aloud.

★ Upper Primary ★
Draw a card from the 10-99 number cards and another card from the 2-9 number cards. Multiply the numbers on the two cards together and say the answer aloud.

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6. Changing 3-D shapes (EMG06)

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Changing 3-D shapes

Rule of the game

Draw a picture card which shows a 3-D shape and answer a mathematical question.

What is this 3-D shape?

How many faces does this shape have?

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7. Number dropping box (EMG07)

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Number dropping box

7 6 8
2 4 9

Rule of the game

1. Draw a number card.
2. Drop the balls into two numbered boxes (1 - 9) so that using the operation of +, -, \times or \div , the result of this operation on the two numbers equals the number shown on the card.

Time limit: 30 seconds

Example:
The number shown on the card is 9. $8 + 1 = 9$. Hence drop the balls into the boxes numbered "1" and "8".

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8. Putting tangram pieces together (EMG08)

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Putting tangram pieces together

Rule of the game

Draw a picture card and use a set of tangram to complete the shape shown on the card.

- ★ **Lower Primary** ★
As a hint, the picture card has already shown 3 pieces.
- ★ **Upper Primary** ★
As a hint, the picture card has already shown 2 pieces.

Example:

Come on, let's play this game!

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9. Sudoku (EMG09)

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Sudoku

Rule of the game

Each number (1 - 9) can only appear once in each row, each column and each 3×3 square. Fill the small squares with the suitable numbers.

Example:

3	8	9	1	4	6	7	5	2
5	7	6	3	9	2	1	4	8
2	4	1	7	8	5	6	9	3
7	9	5	4	3	1	2	8	6
1	6	4	2	7	8	9	3	5
8	3	2	5	6	9	4	1	7
6	5	8	9	2	4	3	7	1
9	1	7	6	5	3	8	2	4
4	2	3	8	1	7	5	6	9

I think I've got it!

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10. Draw with one stroke of your pen (EMG10)

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Draw with one stroke of your pen

Rule of the game

Choose a picture card and try to draw the shape shown on the card with one stroke of your pen.
(Attention: No repetition of any line segment or curve!)

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11. Game with matches (EMG11)

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Game with matches

Rule of the game

Draw a picture card. Give it some thoughts, and move or remove match(es) as required by the question.

I think I've got it!

Remove 2 matches so that there are only 4 squares remaining in the above diagram.

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12. Let's calculate calories (EMG12)

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Let's calculate calories

Hey classmates, do you know how many calories are there in the food?


Rule of the game

- ★ **Lower Primary** ★
Draw two food cards and calculate the total amount of calories in the two kinds of food.
- ★ **Upper Primary** ★
Draw a question card and calculate the total amount of calories in the food according to the food-calorie exchange table.

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13. Let's calculate for the healthy exercises (EMG13)



Let's calculate for the healthy exercises


Rule of the game

** Lower Primary **

1. Draw two "Exercise" cards.
2. Calculate the total amount of calories consumed according to the cards.

** Upper Primary **

1. Draw one "Exercise" card and one "Time" card.
2. According to the time of the exercise, calculate the amount of calories that can be consumed.



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