# BRAIN GAMES
## & LOGIC PUZZLES

**FUN ACTIVITIES TO BOOST THINKING SKILLS!**

**THINK • SOLVE • LEARN • HAVE FUN!**

Ages 7–10 • Grades 2–4 • Printable PDF

Name: _____

Teacher / Parent: _____

**Critical Thinking • Logic • Patterns • Puzzles**

## 2 Odd One Out

Circle the item that does not belong in each group.

| | | | | |
|---|---|---|---|---|
| 1 | apple | banana | carrot | orange |
| 2 | triangle | square | circle | blue |
| 3 | lion | tiger | eagle | zebra |
| 4 | pencil | eraser | ruler | sandwich |
| 5 | Monday | Tuesday | June | Friday |
| 6 | bus | train | bicycle | pillow |
| 7 | red | green | seven | yellow |
| 8 | winter | summer | spring | banana |

Name: _____

# 3 Number Patterns

Find the rule and write the missing number.



- **2, 4, 6, __, 10** Answer: _____
- **5, 10, 15, __, 25** Answer: _____
- **30, 27, 24, __, 18** Answer: _____
- **3, 6, 12, __, 48** Answer: _____
- **1, 4, 7, __, 13** Answer: _____
- **100, 90, 80, __, 60** Answer: _____
- **7, 14, 21, __, 35** Answer: _____
- **64, 32, 16, __, 4** Answer: _____

# 4 SYMBOL PATTERNS

Choose the symbol that should come next. Each question has three different answer choices.

**1.** ● ▲ ● ▲ ● ___ A. ● B. ▲ C. ■

**2.** ■ ■ ■ ■ ■ ___ A. ▲ B. ■ C. ●

**3.** ★ ■ ★ ■ ★ ___ A. ★ B. ● C. ■

**4.** ▲ ▲ ● ▲ ▲ ___ A. ■ B. ● C. ▲

**5.** ● ● ▲ ● ● ___ A. ▲ B. ■ C. ●

**6.** ◆ ◆ ■ ◆ ◆ ___ A. ◆ B. ■ C. ●

5

# Word Search

Find BRAIN, LOGIC, PUZZLE, THINK, SMART, CLUE, GAME and WORD.



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| B | R | A | I | N | X | C | L | U | E |
| Q | W | E | R | T | Y | L | O | G | I |
| P | U | Z | Z | L | E | A | B | C | D |
| T | H | I | N | K | M | N | O | P | E |
| S | M | A | R | T | F | G | H | I | J |
| G | A | M | E | K | L | M | N | O | P |
| W | O | R | D | Q | R | S | T | U | V |
| Z | X | C | V | B | N | M | A | S | D |
| L | K | J | H | G | F | D | S | A | Q |
| P | O | I | U | Y | T | R | E | W | Q |

BRAIN • LOGIC • PUZZLE • THINK • SMART • CLUE • GAME • WORD

## 6 Word Scramble

Unscramble the letters to make a word.

- NIBRA → _____
- CILOG → _____
- ZLZPUE → _____
- MARTS → _____
- UELC → _____
- EMAG → _____
- DROW → _____
- NIKHT → _____

# 7 What Comes Next?

Choose the best answer.

| | |
|---|---|
| **2, 5, 8, 11, ?** | A. 12  B. 14  C. 15 |
| **10, 20, 30, 40, ?** | A. 45  B. 50  C. 60 |
| **1, 2, 4, 8, ?** | A. 10  B. 12  C. 16 |
| **50, 45, 40, 35, ?** | A. 30  B. 25  C. 20 |
| **A, C, E, G, ?** | A. H  B. I  C. J |
| **Monday, Wednesday, Friday, ?** | A. Saturday  B. Sunday  C. Tuesday |

# 8 Math Logic Puzzles

Use the clues to find each answer.

Sam has 3 more stickers than Mia. Mia has 5 stickers. How many stickers does Sam have?
Answer: _____

A box has 12 crayons. 4 are red and 3 are blue. How many are green?
Answer: _____

There are 4 children. Each has 2 apples. How many apples altogether?
Answer: _____

A number is greater than 20 and less than 30. It is even and its digits add to 8. What is it?
Answer: _____

Lena reads 5 pages each day for 6 days. How many pages does she read?
Answer: _____

## 9 4×4 Sudoku

Fill with 1–4. Each number appears once in every row, column and 2×2 box.

| | | | |
|---|---|---|---|
| 1 | | 3 | |
| | 4 | | 2 |
| 2 | | | 3 |
| | 3 | 2 | |

Every row, column and 2×2 box must contain 1, 2, 3 and 4.

# 10 6×6 SUDOKU

Fill the grid with numbers 1–6. Each number appears once in every row, column and **2×3 box** (2 rows by 3 columns).

| | | | | | |
|---|---|---|---|---|---|
| 1 | | 3 | | 5 | 6 |
| | 5 | 6 | | 2 | 3 |
| 2 | 3 | | | | 1 |
| 5 | | | 2 | | |
| | | 5 | | | 2 |
| 6 | | 2 | | 4 | |

Tip: Look for the only number that can fit in a row, column or box.

# 11 Which One Is Different?

Three items follow a rule. One does not. Circle it.

| | | | | |
|---|---|---|---|---|
| ● | 2,4,6,8 | 1,3,5,7 | 10,20,30,40 | 2,6,10,14 |
| ● | 3×2 | 4×2 | 5×2 | 5+5 |
| ● | square | rectangle | triangle | cube |
| ● | January | March | May | Monday |
| ● | 16 | 25 | 36 | 42 |

# 12 Secret Code

Use A=1, B=2, C=3 … Z=26 to decode the hidden words.



- **2-18-1-9-14** → _____
- **12-15-7-9-3** → _____
- **13-1-20-8** → _____
- **7-1-13-5** → _____
- **3-12-21-5** → _____
- **16-21-26-26-12-5** → _____

# 13 Matching Logic Puzzle

Match each child with a different favourite activity.



- Ava does not like Chess.
- Ben chose Reading.
- Chloe chose neither Drawing nor Chess.
- Diego does not like Reading.

**Activities: Drawing • Reading • Puzzles • Chess**

| Child | Drawing | Reading | Puzzles | Chess |
|---|---|---|---|---|
| Ava | ■ | ■ | ■ | ■ |
| Ben | ■ | ■ | ■ | ■ |
| Chloe | ■ | ■ | ■ | ■ |
| Diego | ■ | ■ | ■ | ■ |

# 14 Mini Mystery

Read the clues and solve the mystery.

## THE MISSING LUNCHBOX

Maya, Leo and Noor each brought a different lunch:
a sandwich, fruit and pasta. One lunchbox was left in the classroom.

- Maya did not bring pasta.
- Leo brought the sandwich.
- Noor did not bring fruit.
- The missing lunchbox contained pasta.

**Who left the lunchbox?**



## 15 Route Challenge

Start at START and follow the path to FINISH.

| | | | | |
|---|---|---|---|---|
| START | → | → | ↓ | X |
| X | X | → | ↓ | X |
| → | → | → | ↓ | X |
| X | X | X | → | → |
| X | X | X | X | FINISH |

Direction sequence: _____

# 16 Riddle Time

Read each riddle and write the answer.



I have hands but cannot clap. What am I?
Answer: _____

I have keys but cannot open doors. What am I?
Answer: _____

I get wetter as I dry you. What am I?
Answer: _____

I have a face and two hands but no arms. What am I?
Answer: _____

I am full of holes but I can hold water. What am I?
Answer: _____

I can be cracked, made, told and played. What am I?
Answer: _____

# 17 Mixed Brain Challenge

Try all five challenges. Think carefully!

Find the odd number: 12, 18, 24, 31, 36.
Answer: _____

What is half of 18?
Answer: _____

If CAT becomes DBU, what does DOG become?
Answer: _____

Which is heavier: 1 kg of feathers or 1 kg of rocks?
Answer: _____

Complete: 9, 18, 27, __, 45.
Answer: _____

# 18 CHALLENGE ZONE

Can you solve these without help? Read each question carefully.

**1.** A farmer has 10 sheep. All but 3 run away. How many are left?
**Answer:** _____

**2.** Which number does not belong? 4, 8, 12, 15, 20.
**Answer:** _____

**3.** You have 3 red socks and 3 blue socks in a drawer. In the dark, what is the smallest number of socks you must take out to guarantee that you have a matching-colour pair?
**Answer:** _____

**4.** Arrange: 0.5, 0.05, 0.15, 0.9 from smallest to largest.
**Answer:** _____

**5.** If today is Tuesday, what day will it be 10 days from now?
**Answer:** _____

# 19 ANSWER KEY

Teacher / Parent answer key for all activities.

**2 Odd One Out:** carrot; blue; eagle; sandwich; June; pillow; seven; banana.

**3 Number Patterns:** 8, 20, 21, 24, 10, 70, 28, 8.

**4 Symbol Patterns:** B, B, C, B, A, B.

**5 Word Search:** BRAIN, CLUE, LOGIC, PUZZLE, THINK, SMART, GAME, WORD.

**6 Word Scramble:** BRAIN, LOGIC, PUZZLE, SMART, CLUE, GAME, WORD, THINK.

**7 What Comes Next:** B, B, C, A, B, B.

**8 Math Logic:** 8; 5; 8; 26; 30.

**9 4×4 Sudoku:** 1 2 3 4 / 3 4 1 2 / 2 1 4 3 / 4 3 2 1.

**10 6×6 Sudoku:** See completed grid below. The puzzle has one solution when 2×3 boxes are included.

**11 Which One Is Different:** 1) 1,3,5,7 2) 5+5 3) cube 4) Monday 5) 42.

**12 Secret Code:** BRAIN, LOGIC, MATH, GAME, CLUE, PUZZLE.

**13 Matching Logic:** Ben–Reading; Chloe–Puzzles; Ava–Drawing; Diego–Chess.

**14 Mini Mystery:** Noor left the pasta lunchbox.

**15 Route Challenge:** Right, Right, Down, Right, Down, Right, Right, Down.

**16 Riddles:** Clock; piano/keyboard; towel; clock; sponge; joke.

**17 Mixed:** 31; 9; EPH; equal; 36.

**18 Challenge Zone:** 3; 15; 3 socks; 0.05, 0.15, 0.5, 0.9; Friday.

### 6×6 Sudoku completed grid

| | | | | | |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 4 | 5 | 6 | 1 | 2 | 3 |
| 2 | 3 | 4 | 5 | 6 | 1 |
| 5 | 6 | 1 | 2 | 3 | 4 |
| 3 | 4 | 5 | 6 | 1 | 2 |
| 6 | 1 | 2 | 3 | 4 | 5 |