MATHS
FUN & GAMES!

17 Printable Activities for Ages 6–8

Addition • Subtraction • Multiplication • Patterns • Reasoning

PRINT • PLAY • SOLVE • CELEBRATE!

International-friendly • A4 format • Low-prep printable pack

HOW TO USE THIS PACK

Teacher / Parent Guide

What's inside?
17 playful maths activities plus 1 answer-key and certificate page. Designed for ages 6–8 and flexible across international curricula.

Use independently, in pairs, as maths stations, for early finishers, or for home practice. Most activities need only pencils, crayons, scissors and a dice or paperclip spinner. Encourage children to explain how they found an answer—not just write it.

Differentiation ideas
• Support: use counters, number lines or a hundreds chart.
• Core: solve independently and explain the strategy.
• Challenge: ask children to create a second solution or a new question.

Learning focus
Number sense • Mental maths • Operations • Patterns • Money • Logic • Mathematical vocabulary • Problem solving

Tip: Laminate game boards and cards for repeated use.

1. Roll & Solve

Addition

How to play

Roll two dice. Add the numbers. Write the total and colour one matching number below. First to colour 5 numbers wins!

3	4	5	6	7
8	9	10	11	12

Record your rolls

Roll 1: _____ **Total:** _____ **Colour:** _____

Roll 2: _____ **Total:** _____ **Colour:** _____

Roll 3: _____ **Total:** _____ **Colour:** _____

Roll 4: _____ **Total:** _____ **Colour:** _____

Roll 5: _____ **Total:** _____ **Colour:** _____

Roll 6: _____ **Total:** _____ **Colour:** _____

Roll 7: _____ **Total:** _____ **Colour:** _____

Roll 8: _____ **Total:** _____ **Colour:** _____

Challenge: Can you roll two dice and make a total that has not appeared yet?

2. Roll, Add & Compare

Challenge

Roll two dice twice. Add each pair. Circle the larger total and put a ★ beside the smaller total.

1. **Roll A: 2 + 5 = _____** **Roll B: 5 + 3 = _____**

2. **Roll A: 6 + 3 = _____** **Roll B: 3 + 6 = _____**

3. **Roll A: 4 + 4 = _____** **Roll B: 4 + 5 = _____**

4. **Roll A: 1 + 6 = _____** **Roll B: 6 + 2 = _____**

5. **Roll A: 5 + 2 = _____** **Roll B: 2 + 6 = _____**

6. **Roll A: 3 + 3 = _____** **Roll B: 3 + 4 = _____**

7. **Roll A: 6 + 5 = _____** **Roll B: 5 + 6 = _____**

8. **Roll A: 2 + 4 = _____** **Roll B: 4 + 3 = _____**

Make your own!

Choose four dice numbers. Write two addition equations with the same answer.

3. Maths Detective

Case 1

- I am greater than 20.
- I am less than 30.
- I am even.

SECRET

Case 2

- I am greater than 40.
- I am less than 50.
- My ones digit is 7.

SECRET

Case 3

- I am between 60 and 70.
- I am odd.
- My ones digit is 3.

SECRET

Case 4

- I am less than 20.
- I am greater than 10.
- I am a multiple of 3.

SECRET

Case 5

- I am between 30 and 40.
- I am even.
- My ones digit is 6.

SECRET

Case 6

- I am greater than 70.
- I am less than 80.
- My ones digit is 4.

SECRET

Detective Challenge:

Write three clues for a secret number between 50 and 100.

4. Secret Number Puzzle

Think • Reason • Solve

1. ___ is 5 more than 27.

2. ___ is 10 less than 64.

3. ___ is double 8.

4. ___ is half of 30.

5. ___ is 3 groups of 7.

6. ___ is 20 more than 35.

7. ___ is 4 less than 50.

8. ___ is 5 groups of 6.

9. ___ is an even number between 41 and 4

10. ___ is an odd number between 70 and 76.

Super challenge:

I am 3 more than 2 groups of 10. What number am I? _____

5. Colour-by-Answer

Hidden Picture

Solve each box. Colour using the key: 5 = yellow, 6 = blue, 7 = green, 8 = red.

4+4	4+4	4+4	4+4	4+4	4+4	4+4	4+4
4+4	9–4	9–4	4+4	4+4	9–4	9–4	4+4
3+3	4+4	4+4	3+3	3+3	4+4	4+4	3+3
4+4	10–3	10–3	4+4	4+4	10–3	10–3	4+4
4+4	10–3	10–3	4+4	4+4	10–3	10–3	4+4
3+3	4+4	4+4	3+3	3+3	4+4	4+4	3+3
4+4	9–4	9–4	4+4	4+4	9–4	9–4	4+4
4+4	4+4	4+4	4+4	4+4	4+4	4+4	4+4

COLOUR KEY

- 5
- 6
- 7
- 8

6. Maths Matching

Cut • Match • Solve

ct answer.

7+5	12
15–6	9
4×3	12
18÷3	6
9+8	17
20–7	13
5×5	25
24÷4	6

Make a new match:

Write an equation with the answer 20: _____

7. Maths Race

Game Board

2–4 players • Roll a dice • Move that many spaces • Solve the challenge on the space.

START 1	8+7 2	15–6 3	2×4 4	BONUS +2 5	12÷3 6
7+9 7	20–8 8	3×5 9	MISS A TURN 10	6+6 11	18–9 12
4×2 13	DOUBLE MOVE 14	14÷2 15	5+17 16	25–10 17	2×6 18
LOSE 1 19	9+8 20	30–12 21	3×7 22	16÷4 23	BONUS +3 24
11+6 25	19–7 26	5×3 27	24÷6 28	MOVE BACK 2 29	8+9 30

Winning rule: Reach FINISH/complete the final challenge first.

8. Maths Race Cards

Cut-Out Challenge Cards

Card 1

Add 18 + 7.

Card 2

Subtract 9 from 25.

Card 3

What is 4 × 6?

Card 4

What is half of 18?

Card 5

Name an even number between 20 and 30.

Card 6

Complete: 35, 40, 45, ___.

Card 7

Which is greater: 47 or 74?

Card 8

Make 20 using 2 numbers.

Card 9

What is 30 – 14?

Card 10

What is 3 × 8?

Card 11

Find 10 more than 56.

Card 12

Find 10 less than 83.

Cut along the borders. Add your own cards on the blank spaces if desired.

9. SPIN & SOLVE

Spinner Activity

Place a paperclip on the centre dot and hold it with a pencil. Flick the paperclip to choose one operation. Apply that operation to the number in the question. Spin again for each new question.

ADD	SUBTRACT	MULTIPLY BY 2	DOUBLE

For ADD or SUBTRACT: use 5. **For MULTIPLY BY 2:** multiply by 2. **For DOUBLE:** double the number.

1. Starting number: 12 Operation: _____ Result: _____

2. Starting number: 8 Operation: _____ Result: _____

3. Starting number: 15 Operation: _____ Result: _____

4. Starting number: 20 Operation: _____ Result: _____

5. Starting number: 25 Operation: _____ Result: _____

6. Starting number: 30 Operation: _____ Result: _____

10. Maths Bingo

Player Board

Teacher/parent calls an equation. Cover the answer if it appears. Get 4 in a row!

B I N G O

6	8	10	12
14	16	18	20
22	24	26	28
30	32	34	36

Use counters, buttons or small pieces of paper as markers.

11. Maths Bingo

Calling Cards

3+3 Answer: 6	**10–2** Answer: 8	**5+5** Answer: 10	**6+6** Answer: 12
7+7 Answer: 14	**9+5** Answer: 14	**8+8** Answer: 16	**10+8** Answer: 18
20–2 Answer: 18	**12+10** Answer: 22	**30–4** Answer: 26	**16+8** Answer: 24
18+10 Answer: 28	**20+12** Answer: 32	**40–6** Answer: 34	**18+18** Answer: 36

Cut apart and shuffle. For repeated play, laminate the cards.

12. CRACK THE CODE

Solve each equation. Use the number-to-letter key below: **1 = A, 2 = B, 3 = C ... 26 = Z.**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

1. 8 + 5 = _____ **Letter:** _____

2. 3 – 2 = _____ **Letter:** _____

3. 12 + 8 = _____ **Letter:** _____

4. 10 – 2 = _____ **Letter:** _____

5. 10 + 9 = _____ **Letter:** _____

6. 9 – 3 = _____ **Letter:** _____

7. 7 + 7 + 7 = _____ **Letter:** _____

8. 20 – 6 = _____ **Letter:** _____

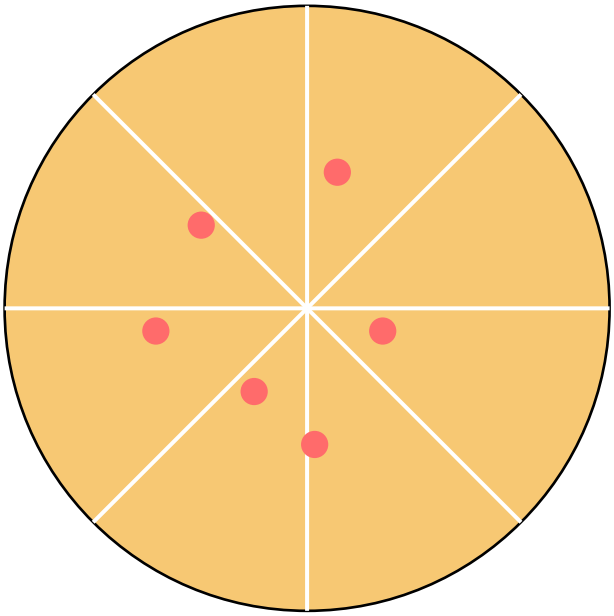
Secret message: ____ ____ ____ ____ ____ ____ ____ ____

Hint: The message is something every maths learner can be!

13. Pizza Maths

Fractions & Counting

Each pizza has 8 equal slices. Follow the topping clues and answer the questions.



1. How many slices are there? _____

2. If 3 slices have cheese, what fraction has cheese? _____

3. If you eat 2 slices, how many are left? _____

4. 4 slices + 2 slices = _____ slices

5. Half of 8 slices is _____

6. Challenge: Draw toppings on 5 slices.

14. Maths at the Market

Money & Addition

Imagine you have 20 coins/units to spend. Choose items and calculate your total.

Apple

Price: 3 units

Banana

Price: 2 units

Juice

Price: 5 units

Bread

Price: 6 units

Yogurt

Price: 4 units

Carrot

Price: 2 units

Cheese

Price: 7 units

Cookie

Price: 3 units

Your shopping challenge

Choose 3 items. Total = _____

How much would you have left from 20? _____

Can you spend exactly 20? Write your items: _____

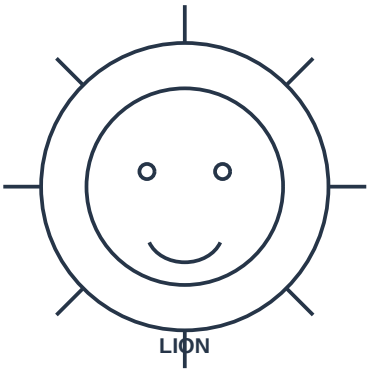
15. NUMBER BOND SAFARI

Complete the number bonds. Then colour each safari animal.

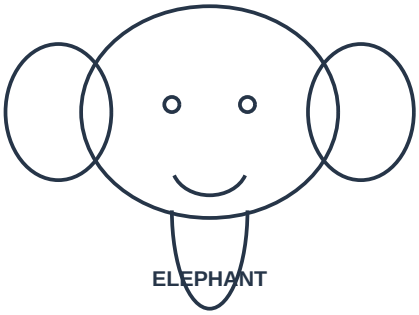
6 + ____ = 10	3 + ____ = 10	8 + ____ = 10
12 + ____ = 20	15 + ____ = 20	7 + ____ = 20
25 + ____ = 50	18 + ____ = 50	31 + ____ = 50

SAFARI COLOURING ZONE

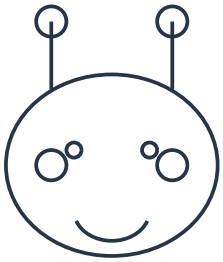
Colour each animal after solving its matching bond: 10-bonds = yellow, 20-bonds = green, 50-bonds = blue.



LION



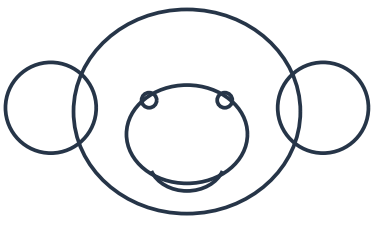
ELEPHANT



GIRAFFE



ZEBRA



MONKEY

16. Maths Challenge Cards

Quick-Fire Thinking

CHALLENGE 1

Name 3 even numbers.

CHALLENGE 2

Find 10 more than 47.

CHALLENGE 3

Find 5 less than 32.

CHALLENGE 4

Make 15 in two different ways.

CHALLENGE 5

Skip count by 5 from 5 to 50.

CHALLENGE 6

What is double 9?

CHALLENGE 7

What is half of 20?

CHALLENGE 8

Which is greater: 38 or 83?

CHALLENGE 9

Complete: 2, 4, 6, __, __.

CHALLENGE 10

Write a fact family for 5, 7 and 12.

CHALLENGE 11

Make 24 using multiplication.

CHALLENGE 12

Write an odd number between 40 and 50.

Cut out, shuffle and pick a card whenever you need a 5-minute maths challenge.

17. Mixed Maths Review

Show What You Know

1. 24 + 18 = _____

2. 50 – 27 = _____

3. 6 × 4 = _____

4. 35 ÷ 5 = _____

5. 10 more than 67 = _____

6. Half of 18 = _____

7. Which is odd: 24, 31, 42? _____

8. Complete: 5, 10, 15, _____, _____

9. A box has 4 rows of 3. How many? _____

10. You have 30 and spend 12. Left = _____

11. Write a number between 60 and 70 that i

12. Which is greater: 56 or 65? _____

How did you do?

Circle one: ■ Super confident ■ Getting there ■ I need more practice

18. ANSWER KEY & CERTIFICATE

Answer Key

- Page 5: 22, 47, 63, 12, 36, 74.
- Page 6: 32, 54, 16, 15, 21, 55, 46, 30, 42, 73.
- Page 7: Colour by the displayed answer (5–8).
- Page 8: 7+5→12; 15–6→9; 4×3→12; 18÷3→6; 9+8→17; 20–7→13; 5×5→25; 24÷4→6.
- Page 13: 6, 8, 10, 12, 14, 14, 16, 18, 18, 22, 26, 24, 28, 32, 34, 36.
- Page 14: 13=M, 1=A, 20=T, 8=H, 19=S, 6=F, 21=U, 14=N → **MATHSFUN**.
- Page 15: 8 slices; 3/8; 6 left; 6; 4; child-drawn response.
- Page 17: 4, 7, 2, 8, 5, 13, 25, 32, 19.
- Page 19: 42, 23, 24, 7, 77, 9, 31, 20 & 25, 12, 18, any even 62–68, 65.

MATHS SUPERSTAR!

This certificate is proudly awarded to

_____

for showing curiosity, perseverance and great mathematical thinking!

Date: _____ Teacher/Parent: _____

You don’t have to be perfect at maths—you just have to keep thinking!