KALVIYOGI MATHEMATICS

NUMBERS UP TO 100!

UKG • The 1000-Page Maths Series • Book 2



Count • Add • Take Away • Shapes • Coins • Time

With Kavin • Meena • Arun

Singapore CPA + Finland Play Way • Story-Based Learning

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📚 What's Inside...

Ch 🔢 **Numbers to 50 — counting, names, tens & ones**

Ch 💯 **Numbers 51–100 — the Hundred Chart**

Ch ➕ **Addition — putting together, sums to 20**

Ch ➖ **Subtraction — taking away, to 20**

Ch 🔷 **Shapes & Patterns — sides, corners, patterns**

Ch 📏 **Measurement & Time — long/heavy, day & clock**

Ch 🪙 **Money — Indian coins ₹1 ₹2 ₹5 ₹10**

★ 🏆 **Final Worksheets, Games, Answers & Certificate**

👦👧🧒 Meet Your Guides

Kavin counts everything. **Meena** loves patterns and coins. **Arun** loves games and clocks. They will learn with you on every page — look for their speech bubbles!

This book has **story lessons**, **worksheets to write in**, and **answers at the end of every chapter**. Take your time — maths is a game!

🌍 How We Learn — The International Way

✋ 1. TOUCH IT

Concrete — count real things: spoons, stones, fingers!

👀 2. SEE IT

Pictorial — look at the pictures and draw your own.

✏️ 3. WRITE IT

Abstract — write the number and the sum: 5 + 3 = 8.

This is the **Singapore CPA way**: **C**oncrete → **P**ictorial → **A**bstract. Every new idea in this book walks these 3 steps.

🇫🇮 Finland Play Way

Learn by **playing**, moving, singing and exploring. Go outdoors and count trees! There is **no hurry and no fear** — mistakes are how we learn. Talk about maths with Amma, Appa and friends every day.

🧰 You Need

A pencil ✏️, crayons 🖍️, an eraser, 20 small stones or bottle caps for counting, and a big smile 😊. Grown-ups: sit, play and praise — do not do the sums for the child!

📖 **Our promise:** Small steps, many pictures, lots of practice — and a game in every chapter!

🎯 My Learning Goals — UKG

By the end of this book, I can... ⭐ Colour a star when you can do it!

⭐ Count and write numbers to **100**	⭐ Say number names to 20, read to 50
⭐ Show **tens and ones** — 34 is 3 tens + 4 ones	⭐ Say before, after and between numbers
⭐ **Add** numbers to 20 with pictures and fingers	⭐ **Take away** numbers to 20
⭐ Skip-count in 2s, 5s and 10s	⭐ Name shapes and finish patterns
⭐ Say long/short, heavy/light, full/empty	⭐ Read the clock — o'clock times
⭐ Know ₹1, ₹2, ₹5 and ₹10 coins	⭐ Solve story sums by drawing

🗺️ My Maths Journey

LKG ✔ (numbers to 20) → **UKG — this book!** (numbers to 100, add & take away) → Class 1 (numbers to 200, bigger sums) → Class 2 → Class 3 → Class 4 → Class 5. The full journey is **1000 pages**!

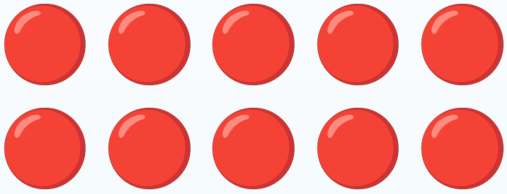
📖 **Read with me:** I love maths. I can count. I can add. I can do it!

👦👧🧒 *Ready, friend? Turn the page — Chapter 1 begins!*

🔢 Counting 1 to 10 — Again, Faster!

CHAPTER 1 • NUMBERS TO 50

Kavin empties his pocket on the table — marbles roll everywhere! “Let us count like lightning,” says Meena. Touch each marble, say the number, and the last word tells us **how many**.



Count aloud: 1, 2, 3, 4, 5, 6, 7, 8, 9, **10**. Ten marbles!

💡 Learn This

- Counting rule: touch — say — move on. Never count the same thing twice!
- The last number you say is the total.

📖 **Read with me:** One, two, three, four, five. Six, seven, eight, nine, ten!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Count 10 spoons at home. **See:** Point and count the marbles above again — backwards! **Write:** Write 1 to 10 in your notebook.

🚂 Numbers 11 to 20 — The Teen Train

CHAPTER 1 • NUMBERS TO 50

After 10, the Number Train gets new coaches! Each teen number is **10 and some more**: 11 is 10+1, 12 is 10+2... all the way to 20.

11 Eleven	**12** Twelve	**13** Thirteen	**14** Fourteen	**15** Fifteen
16 Sixteen	**17** Seventeen	**18** Eighteen	**19** Nineteen	**20** Twenty

💡 Learn This

- 11 = 10 + 1, 12 = 10 + 2, 13 = 10 + 3 ... 19 = 10 + 9, 20 = 10 + 10.
- Teen numbers all begin with a full TEN.

📖 **Read with me:** Eleven, twelve, thirteen, fourteen, fifteen. Sixteen, seventeen, eighteen, nineteen, twenty!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Make a bundle of 10 sticks, then add 1, 2, 3 loose sticks. **See:** Read the coaches. **Write:** Write 11 to 20.

🎈 Counting to 30

CHAPTER 1 • NUMBERS TO 50

At the school fair, Arun counts balloons for the balloon seller. “Count in rows of ten,” says the seller, “and you will never get lost!”

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	27	28	29	30

💡 Learn This

- Count row by row: first row ends at 10, second at 20, third at 30.
- Numbers ending in 0 are the row-enders: 10, 20, 30.

📖 **Read with me:** Ten, twenty, thirty. I can count to thirty!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Count 30 steps walking to the gate. **See:** Find 17, 23, 29 in the chart. **Write:** Write the missing row: 21 to 30.

🏰 Counting to 50 — The Number Castle

CHAPTER 1 • NUMBERS TO 50

The Number Castle has 50 steps! Kavin climbs: tens are the landings — 10, 20, 30, 40, 50. Up, up, up he goes!

31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

💡 Learn This

- After 39 comes 40. After 49 comes 50.
- Say the tens first: 10, 20, 30, 40, 50 — then fill the steps between.

📖 **Read with me:** Thirty, forty, fifty. I climbed the Number Castle!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Clap on every ten while a friend counts to 50. **See:** Circle 45 and 50 in the chart. **Write:** Write 41 to 50.

🔤 Number Names — One to Ten

CHAPTER 1 • NUMBERS TO 50

Every number has a name, like you! Meena writes name cards for the class wall. Say the name, read the name, write the name.

1 One	**2** Two	**3** Three	**4** Four	**5** Five
6 Six	**7** Seven	**8** Eight	**9** Nine	**10** Ten

💡 Learn This

- 1 One, 2 Two, 3 Three, 4 Four, 5 Five.
- 6 Six, 7 Seven, 8 Eight, 9 Nine, 10 Ten.

📖 **Read with me:** One, two, three, four, five. Six, seven, eight, nine, ten!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Hold up fingers for each name. **See:** Read the cards. **Write:** Write the names One to Five in words.

🔤 Number Names — Eleven to Twenty

CHAPTER 1 • NUMBERS TO 50

"Thirteen and fourteen look like twins!" laughs Arun. Careful — thirTEEN is 13, fourTEEN is 14. Say them slowly and clearly.

11 Eleven	**12** Twelve	**13** Thirteen	**14** Fourteen	**15** Fifteen
16 Sixteen	**17** Seventeen	**18** Eighteen	**19** Nineteen	**20** Twenty

💡 Learn This

- 11 Eleven, 12 Twelve — these two are special, just learn them!
- 13 Thirteen, 15 Fifteen — watch the spelling!
- 20 Twenty — two tens together.

📖 **Read with me:** Eleven, twelve, thirteen. Twenty is two tens!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Say each name and clap its tens-and-ones. **See:** Find 'Fifteen' — which number is it?
Write: Match names to numbers in the worksheet.

🐇 Before, After and Between (to 50)

CHAPTER 1 • NUMBERS TO 50

A bunny hops on number steps. The step **behind** is BEFORE. The step **ahead** is AFTER. The step in the **middle** is BETWEEN.



Before **25** is 24. After **25** is 26. **25** is between 24 and 26.

💡 Learn This

- Before = one less (−1). After = one more (+1).
- Between = the number hiding in the middle.

📖 **Read with me:** Before twenty-five is twenty-four. After twenty-five is twenty-six.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Stand on a chalk number line and hop before/after. **See:** Do the bunny steps above with your finger. **Write:** Worksheet time!

🎋 Tens and Ones — Bundles of Ten

CHAPTER 1 • NUMBERS TO 50

Farmer Appa ties sticks into bundles of TEN. One bundle and 4 loose sticks — how many? One ten and four ones = **14**! Bundles make counting fast.

Picture	Tens	Ones	Number
🎋 + ////	1	4	**14**
🎋🎋 + //	2	2	**22**
🎋🎋🎋 + ///	3	3	**33**
🎋🎋🎋🎋	4	0	**40**

💡 Learn This

- The FIRST digit tells the TENS. The SECOND digit tells the ONES.
- 27 = 2 tens + 7 ones. 40 = 4 tens + 0 ones.

📖 **Read with me:** Thirty-four is three tens and four ones.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Bundle 10 straws with a rubber band. Make 23 and 41. **See:** Read the table. **Write:** Worksheet — bundles and numbers!

🏠 The Tens House and the Ones House

CHAPTER 1 • NUMBERS TO 50

Every 2-digit number lives in two houses: the **Tens House** on the left and the **Ones House** on the right. 47 lives as 4 in Tens House, 7 in Ones House.

TENS HOUSE	ONES HOUSE
4	7

47 = 40 + 7 • 29 = 20 + 9 • 50 = 50 + 0

💡 Learn This

- Tens digit × 10 gives its value: 4 tens = 40.
- Breaking a number helps us add later!

📖 **Read with me:** Forty-seven is forty and seven.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Show 36 with bundles and loose sticks. **See:** Which house is bigger in 52? **Write:** Break 28, 35, 49 into tens + ones.

🐊 Bigger and Smaller (to 50)

CHAPTER 1 • NUMBERS TO 50

The hungry crocodile always opens its mouth to the BIGGER number! First compare the TENS — more tens wins. Same tens? Compare the ONES.

38 > 25 (3 tens beat 2 tens) • **41 < 44** (same tens, 1 one < 4 ones)

50 > 49 • **17 = 17** (equal!)

💡 Learn This

- > means greater than. < means less than. = means equal.
- Compare tens first, then ones.

📖 **Read with me:** Thirty-eight is bigger than twenty-five.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Make two bundles groups — which group is bigger? **See:** Point to the crocodile mouths above. **Write:** Worksheet — feed the crocodile!

✏️ Count and Write 1

Chapter 1 • Numbers to 50 • WORKSHEET

Count the pictures carefully. Write how many.

1. Count and write:



How many? .....

2. Count and write:



How many? .....

3. Count and write:



How many? .....

4. Count and write:



How many? .....

5. Count and write:



How many? .....

6. Count and write:



How many? .....

7. Count and write:

How many? .....

8. Count and write:



How many? .....

9. Count and write:

How many? .....

10. Count and write:



How many? .....

11. Count and write:



How many? .....

12. Count and write:



How many? .....

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Count and Write 2

Chapter 1 • Numbers to 50 • WORKSHEET

Bigger groups! Count in twos to be fast.

1. Count and write:



How many? .....

2. Count and write:



How many? .....

3. Count and write:



How many? .....

4. Count and write:



How many? .....

5. Count and write:



How many? .....

6. Count and write:



How many? .....

7. Count and write:



How many? .....

8. Count and write:



How many? .....

9. Count and write:



How many? .....

10. Count and write:



How many? .....

11. Count and write:



How many? .....

12. Count and write:



How many? .....

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Missing Numbers 1

Chapter 1 • Numbers to 50 • WORKSHEET

Fill the missing numbers to 50.

1. Fill the missing numbers:
30, ___, ___, 33, 34

2. Fill the missing numbers:
17, ___, ___, 20, 21

3. Fill the missing numbers:
2, 3, 4, ___, 6

4. Fill the missing numbers:
7, ___, ___, 10, 11

5. Fill the missing numbers:
25, ___, 27, 28, 29

6. Fill the missing numbers:
1, ___, 3, 4, 5

7. Fill the missing numbers:
4, 5, ___, ___, 8

8. Fill the missing numbers:
27, 28, 29, ___, 31

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Missing Numbers 2

Chapter 1 • Numbers to 50 • WORKSHEET

Fill the missing numbers to 50.

1. Fill the missing numbers:
17, ___, ___, 20, 21

2. Fill the missing numbers:
24, ___, ___, 27, 28

3. Fill the missing numbers:
12, ___, 14, 15, 16

4. Fill the missing numbers:
11, ___, 13, 14, 15

5. Fill the missing numbers:
34, ___, 36, ___, 38

6. Fill the missing numbers:
33, 34, 35, ___, 37

7. Fill the missing numbers:
13, 14, ___, ___, 17

8. Fill the missing numbers:
12, ___, ___, 15, 16

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Before, After, Between 1

Chapter 1 • Numbers to 50 • WORKSHEET

Think of the bunny steps!

1. What comes **after**?
3 , ____

2. What comes **after**?
40 , ____

3. What comes **before**?
____ , **4**

4. What comes **after**?
14 , ____

5. What is **between**?
40 , ____ , **42**

6. What comes **before**?
____ , **39**

7. What comes **before**?
____ , **5**

8. What comes **after**?
16 , ____

9. What comes **before**?
____ , **19**

10. What comes **after**?
42 , ____

11. What comes **after**?
21 , ____

12. What comes **before**?
____ , **7**

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Before, After, Between 2

Chapter 1 • Numbers to 50 • WORKSHEET

Before is one less, after is one more.

1. What comes **before**?
____ , **16**

2. What is **between**?
47 , ____ , **49**

3. What comes **before**?
____ , **26**

4. What comes **after**?
34 , ____

5. What comes **before**?
____ , **40**

6. What comes **after**?
48 , ____

7. What comes **before**?
____ , **47**

8. What comes **before**?
____ , **35**

9. What comes **after**?
20 , ____

10. What is **between**?
24 , ____ , **26**

11. What is **between**?
25 , ____ , **27**

12. What comes **before**?
____ , **23**

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Tens and Ones 1

Chapter 1 • Numbers to 50 • WORKSHEET

Break each number into tens and ones.

1. 46 = ____ tens + ____ ones

2. 3 tens + 5 ones = ____

3. 49 = ____ tens + ____ ones

4. 14 = ____ tens + ____ ones

5. 1 tens + 3 ones = ____

6. 27 = ____ tens + ____ ones

7. 36 = ____ tens + ____ ones

8. 49 = ____ tens + ____ ones

9. 44 = ____ tens + ____ ones

10. 15 = ____ tens + ____ ones

11. 4 tens + 1 ones = ____

12. 5 tens + 0 ones = ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Tens and Ones 2

Chapter 1 • Numbers to 50 • WORKSHEET

Bundles and loose ones.

1. 28 = ____ tens + ____ ones

2. 2 tens + 4 ones = ____

3. 15 = ____ tens + ____ ones

4. 39 = ____ tens + ____ ones

5. 13 = ____ tens + ____ ones

6. 3 tens + 4 ones = ____

7. 19 = ____ tens + ____ ones

8. 1 tens + 9 ones = ____

9. 3 tens + 2 ones = ____

10. 4 tens + 4 ones = ____

11. 1 tens + 9 ones = ____

12. 12 = ____ tens + ____ ones

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Feed the Crocodile

Chapter 1 • Numbers to 50 • WORKSHEET

Circle the bigger number every time.

1. Circle the **bigger** number:
32 or **29**

2. Circle the **bigger** number:
12 or **11**

3. Circle the **bigger** number:
48 or **50**

4. Circle the **bigger** number:
14 or **40**

5. Circle the **bigger** number:
14 or **29**

6. Circle the **bigger** number:
30 or **18**

7. Circle the **bigger** number:
14 or **38**

8. Circle the **bigger** number:
44 or **33**

9. Circle the **bigger** number:
12 or **18**

10. Circle the **bigger** number:
31 or **32**

11. Circle the **bigger** number:
15 or **40**

12. Circle the **bigger** number:
14 or **36**

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Number Names

Chapter 1 • Numbers to 50 • WORKSHEET

Names and numbers — both ways!

1. Write the number name:
1 = _____

2. Write the number:
Sixteen = _____

3. Write the number name:
20 = _____

4. Write the number:
Thirteen = _____

5. Write the number name:
17 = _____

6. Write the number:
Ten = _____

7. Write the number name:
18 = _____

8. Write the number:
Fifteen = _____

9. Write the number name:
2 = _____

10. Write the number:
Twelve = _____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

🔑 Answers — Chapter 1 • Numbers to 50

Count and Write 1

1) **11** 2) **10** 3) **12** 4) **5** 5) **10** 6) **12** 7) **4** 8) **7** 9) **4** 10) **3** 11) **9** 12) **12**

Count and Write 2

1) **10** 2) **8** 3) **9** 4) **8** 5) **11** 6) **8** 7) **13** 8) **11** 9) **11** 10) **12** 11) **8** 12) **9**

Missing Numbers 1

1) **31, 32** 2) **18, 19** 3) **5** 4) **8, 9** 5) **26** 6) **2** 7) **6, 7** 8) **30**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 1 • Numbers to 50

Missing Numbers 2

1) **18, 19** 2) **25, 26** 3) **13** 4) **12** 5) **35, 37** 6) **36** 7) **15, 16** 8) **13, 14**

Before, After, Between 1

1) **4** 2) **41** 3) **3** 4) **15** 5) **41** 6) **38** 7) **4** 8) **17** 9) **18** 10) **43** 11) **22** 12) **6**

Before, After, Between 2

1) **15** 2) **48** 3) **25** 4) **35** 5) **39** 6) **49** 7) **46** 8) **34** 9) **21** 10) **25** 11) **26** 12) **22**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 1 • Numbers to 50

Tens and Ones 1

1) **4 tens + 6 ones** 2) **35** 3) **4 tens + 9 ones** 4) **1 tens + 4 ones** 5) **13** 6) **2 tens + 7 ones** 7) **3 tens + 6 ones** 8) **4 tens + 9 ones** 9) **4 tens + 4 ones** 10) **1 tens + 5 ones** 11) **41** 12) **50**

Tens and Ones 2

1) **2 tens + 8 ones** 2) **24** 3) **1 tens + 5 ones** 4) **3 tens + 9 ones** 5) **1 tens + 3 ones** 6) **34** 7) **1 tens + 9 ones** 8) **19** 9) **32** 10) **44** 11) **19** 12) **1 tens + 2 ones**

Feed the Crocodile

1) **32** 2) **12** 3) **50** 4) **40** 5) **29** 6) **30** 7) **38** 8) **44** 9) **18** 10) **32** 11) **40** 12) **36**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 1 • Numbers to 50

Number Names

1) **One** 2) **16** 3) **Twenty** 4) **13** 5) **Seventeen** 6) **10** 7) **Eighteen** 8) **15** 9) **Two** 10) **12**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🚀 Counting 51 to 70

CHAPTER 2 • NUMBERS 51–100

The Number Train leaves 50 station and speeds on! After 50: 51, 52, 53... Kavin reads every coach window as it passes.

51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70

💡 Learn This

- 59 → 60 is a new ten. 69 → 70 the same.
- Read tens first, then ones: 64 = sixty + four.

📖 **Read with me:** Fifty-one, fifty-two... seventy! I am speeding!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Count 51 to 70 clapping on tens. **See:** Find 58, 63, 70. **Write:** Write 55 to 65.

💯 Counting 71 to 100 — The Hundred!

CHAPTER 2 • NUMBERS 51–100

At last — the top of the Number Castle! 100 is **ten tens**. Meena plants the flag: “One HUNDRED!”

71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

💡 Learn This

- 90 + 10 = 100. One hundred has THREE digits: 1, 0, 0.
- 99 + 1 = 100 — the biggest 2-digit number gives way to 100.

📖 **Read with me:** Ninety-nine and one more is one hundred!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Count 100 small stones in bundles of ten — 10 bundles! **See:** Find 87, 95, 100. **Write:** Write 91 to 100.

🗺️ The Hundred Chart — Treasure Map

CHAPTER 2 • NUMBERS 51–100

The Hundred Chart is a treasure map! Rows go across by ones, columns drop down by TENS. Move down one row = +10. Magic!

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	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

...the chart continues to 100 in your worksheets!

💡 Learn This

- Across: +1 each step. Down: +10 each step.
- The number below 23 is 33. Below 47 is 57.

📖 **Read with me:** Down the chart, numbers grow by ten!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Put a coin on 14 — slide it down one row. What number? **See:** Find the column of 5s: 5, 15, 25... **Write:** Worksheet — chart hunt!

🔤 Number Names — Twenty-One to Fifty

CHAPTER 2 • NUMBERS 51–100

Long names are easy: say the TEN, then the ONE. 21 = twenty-one, 35 = thirty-five, 48 = forty-eight. A small line '-' joins them!

20
Twenty

21 Twenty-one	27 Twenty-seven	33 Thirty-three
42 Forty-two	46 Forty-six	50 Fifty

💡 Learn This

- Tens names: Twenty, Thirty, Forty (no 'u'!), Fifty, Sixty, Seventy, Eighty, Ninety.
- 99 = ninety-nine — the longest name to 100!

📖 **Read with me:** Forty-eight is forty and eight.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Say a number — friend shows fingers in tens. **See:** Read the names aloud. **Write:** Write names for 23, 31, 49.

🦘 Skip Counting by 2s — Kangaroo Jumps

CHAPTER 2 • NUMBERS 51–100

The kangaroo jumps over one number every time: 2, 4, 6, 8, 10... These are EVEN numbers — they end in 0, 2, 4, 6, 8!

2, 4, 6, 8, 10, 12, 14, 16, 18, 20 ... on to **100**!

💡 Learn This

- Skip counting = counting in jumps. By 2s: add 2 every time.
- Pairs of socks, shoes and eyes are counted in 2s!

📖 **Read with me:** Two, four, six, eight — who do we appreciate? Numbers!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Count pairs of shoes at the door in 2s. **See:** Whisper odd, shout even: 1 (whisper) 2 (SHOUT)! **Write:** Worksheet — kangaroo jumps!

🖐 Skip Counting by 5s and 10s

CHAPTER 2 • NUMBERS 51–100

Fingers come in 5s! Count hands: 5, 10, 15, 20... And tens are the fastest of all: 10, 20, 30 ... 100!

5s: **5, 10, 15, 20, 25, 30, 35, 40, 45, 50**

10s: **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

💡 Learn This

- 5s always end in 5 or 0. 10s always end in 0.
- ₹5 coins and ₹10 notes are counted in 5s and 10s!

📖 **Read with me:** Five, ten, fifteen, twenty — counting is fun!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Trace your hand, count its fingers, then two hands. **See:** Read the 5s row backwards!
Write: Worksheet — 5s and 10s.

🏆 Compare and Order (to 100)

CHAPTER 2 • NUMBERS 51–100

Three friends measure their heights in centimetres: Arun 96, Meena 88, Kavin 100. Who is tallest? Line numbers up — smallest to biggest — to see!

88 < 96 < **100** • Order: 45, 54, 63, 72 (small → big)

Big → small: 90, 76, 61, 47

💡 Learn This

- With 3 digits, 100 beats every 2-digit number.
- Order means arranging — like children in a height line.

📖 **Read with me:** One hundred is the biggest of all!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Line up 3 friends by height. **See:** Order 37, 73, 56 in your head. **Write:** Worksheet — ordering race!

✏️ Missing Numbers to 100 — 1

Chapter 2 • Numbers 51–100 • WORKSHEET

Fill the missing numbers.

1. Fill the missing numbers:
58, ___, 60, 61, 62

2. Fill the missing numbers:
89, ___, 91, ___, 93

3. Fill the missing numbers:
72, ___, 74, 75, 76

4. Fill the missing numbers:
67, 68, ___, 70, 71

5. Fill the missing numbers:
88, 89, 90, ___, 92

6. Fill the missing numbers:
77, 78, 79, ___, 81

7. Fill the missing numbers:
51, 52, ___, ___, 55

8. Fill the missing numbers:
62, ___, 64, 65, 66

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Missing Numbers to 100 — 2

Chapter 2 • Numbers 51–100 • WORKSHEET

Fill the missing numbers.

1. Fill the missing numbers:
88, 89, 90, ___, 92

2. Fill the missing numbers:
75, ___, ___, 78, 79

3. Fill the missing numbers:
80, ___, 82, ___, 84

4. Fill the missing numbers:
72, ___, 74, ___, 76

5. Fill the missing numbers:
82, 83, ___, 85, 86

6. Fill the missing numbers:
89, 90, ___, 92, 93

7. Fill the missing numbers:
71, 72, ___, ___, 75

8. Fill the missing numbers:
80, 81, ___, 83, 84

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Kangaroo Jumps — 2s

Chapter 2 • Numbers 51–100 • WORKSHEET

Skip count by 2s.

1. Skip count by **2s**:
6, 8, 10, ___, 14

2. Skip count by **2s**:
2, 4, 6, ___, 10

3. Skip count by **2s**:
8, 10, 12, ___, 16

4. Skip count by **2s**:
2, 4, ___, 8, 10

5. Skip count by **2s**:
8, 10, 12, ___, 16

6. Skip count by **2s**:
2, 4, 6, ___, 10

7. Skip count by **2s**:
8, 10, ___, 14, 16

8. Skip count by **2s**:
4, 6, ___, 10, 12

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ High Fives — 5s and 10s

Chapter 2 • Numbers 51–100 • WORKSHEET

Skip count by 5s and 10s.

1. Skip count by **5s**:
20, 25, ___, 35, 40

2. Skip count by **5s**:
5, 10, 15, ___, 25

3. Skip count by **5s**:
10, 15, ___, 25, 30

4. Skip count by **5s**:
5, 10, 15, ___, 25

5. Skip count by **10s**:
30, 40, ___, 60, 70

6. Skip count by **10s**:
30, 40, 50, ___, 70

7. Skip count by **10s**:
20, 30, 40, ___, 60

8. Skip count by **10s**:
10, 20, ___, 40, 50

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Before, After, Between to 100

Chapter 2 • Numbers 51–100 • WORKSHEET

Bunny steps on the big chart!

1. What comes **before**?
____ , **86**

2. What is **between**?
92 , ____ , **94**

3. What is **between**?
63 , ____ , **65**

4. What comes **before**?
____ , **96**

5. What comes **before**?
____ , **55**

6. What comes **before**?
____ , **78**

7. What is **between**?
60 , ____ , **62**

8. What comes **before**?
____ , **81**

9. What comes **after**?
59 , ____

10. What is **between**?
96 , ____ , **98**

11. What is **between**?
59 , ____ , **61**

12. What is **between**?
69 , ____ , **71**

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Tens and Ones to 99

Chapter 2 • Numbers 51–100 • WORKSHEET

Bigger bundles!

1. 71 = ____ tens + ____ ones

2. 1 tens + 9 ones = ____

3. 5 tens + 6 ones = ____

4. 2 tens + 5 ones = ____

5. 88 = ____ tens + ____ ones

6. 26 = ____ tens + ____ ones

7. 75 = ____ tens + ____ ones

8. 19 = ____ tens + ____ ones

9. 3 tens + 2 ones = ____

10. 87 = ____ tens + ____ ones

11. 45 = ____ tens + ____ ones

12. 2 tens + 0 ones = ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Feed the Crocodile — Big Numbers

Chapter 2 • Numbers 51–100 • WORKSHEET

Compare tens first!

1. Circle the **bigger** number:
73 or **94**

2. Circle the **bigger** number:
58 or **64**

3. Circle the **bigger** number:
85 or **67**

4. Circle the **bigger** number:
82 or **55**

5. Circle the **bigger** number:
62 or **52**

6. Circle the **bigger** number:
68 or **99**

7. Circle the **bigger** number:
57 or **88**

8. Circle the **bigger** number:
81 or **90**

9. Circle the **bigger** number:
64 or **76**

10. Circle the **bigger** number:
73 or **58**

11. Circle the **bigger** number:
98 or **84**

12. Circle the **bigger** number:
62 or **53**

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Ordering Race

Chapter 2 • Numbers 51–100 • WORKSHEET

Smallest to biggest — line them up!

1. Write in order, smallest → biggest:
35, 53, 84
____ , ____ , ____

2. Write in order, smallest → biggest:
9, 31, 67
____ , ____ , ____

3. Write in order, smallest → biggest:
86, 53, 11
____ , ____ , ____

4. Write in order, smallest → biggest:
93, 96, 58
____ , ____ , ____

5. Write in order, smallest → biggest:
64, 37, 36
____ , ____ , ____

6. Write in order, smallest → biggest:
34, 19, 39
____ , ____ , ____

7. Write in order, smallest → biggest:
13, 90, 77
____ , ____ , ____

8. Write in order, smallest → biggest:
25, 27, 87
____ , ____ , ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

🔑 Answers — Chapter 2 • Numbers 51–100

Missing Numbers to 100 — 1

1) **59** 2) **90, 92** 3) **73** 4) **69** 5) **91** 6) **80** 7) **53, 54** 8) **63**

Missing Numbers to 100 — 2

1) **91** 2) **76, 77** 3) **81, 83** 4) **73, 75** 5) **84** 6) **91** 7) **73, 74** 8) **82**

Kangaroo Jumps — 2s

1) **12** 2) **8** 3) **14** 4) **6** 5) **14** 6) **8** 7) **12** 8) **8**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 2 • Numbers 51–100

High Fives — 5s and 10s

1) **30** 2) **20** 3) **20** 4) **20** 5) **50** 6) **60** 7) **50** 8) **30**

Before, After, Between to 100

1) **85** 2) **93** 3) **64** 4) **95** 5) **54** 6) **77** 7) **61** 8) **80** 9) **60** 10) **97** 11) **60** 12) **70**

Tens and Ones to 99

1) **7 tens + 1 ones** 2) **19** 3) **56** 4) **25** 5) **8 tens + 8 ones** 6) **2 tens + 6 ones** 7) **7 tens + 5 ones** 8) **1 tens + 9 ones** 9) **32** 10) **8 tens + 7 ones** 11) **4 tens + 5 ones** 12) **20**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 2 • Numbers 51–100

Feed the Crocodile — Big Numbers

1) **94** 2) **64** 3) **85** 4) **82** 5) **62** 6) **99** 7) **88** 8) **90** 9) **76** 10) **73** 11) **98** 12) **62**

Ordering Race

1) **35, 53, 84** 2) **9, 31, 67** 3) **11, 53, 86** 4) **58, 93, 96** 5) **36, 37, 64** 6) **19, 34, 39** 7) **13, 77, 90** 8) **25, 27, 87**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

➕ Adding Means Putting Together

CHAPTER 3 • ADDITION

Meena has 3 roses. Kavin gives her 2 more roses. Put them TOGETHER — now she has 5! Putting together is ADDITION. The sign is + and the answer is the SUM.



3 + 2 = 5

💡 Learn This

- + means put together. = means 'is the same as'.
- Add in any order: 2 + 3 is also 5!

📖 **Read with me:** Three and two more make five.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Put 4 stones and 3 stones in one pile. Count all. **See:** Count the roses. **Write:** Write 3 + 2 = 5.

🍎 Picture Addition — Sums to 10

CHAPTER 3 • ADDITION

Count the first group, count the second group, then count ALL together. Or smarter: start from the bigger number and count on!



Count on from 4: **5, 6, 7** → 4 + 3 = **7**

💡 Learn This

- Counting ON from the bigger number is faster.
- Sums to 10 are our home base — learn them by heart!

📖 **Read with me:** Four and three more make seven.

✋ **Touch → 👀 See → ✏️ Write (CPA)**

Touch: Use fingers: hold 6, count on 3. **See:** Do the apples. **Write:** Worksheet — picture sums!

⬆️ Vertical Addition — Standing Sums

CHAPTER 3 • ADDITION

Sums can stand up! Write ones under ones, tens under tens. Add downstairs (ones) first, then upstairs (tens).

$$\begin{array}{r} 23 \\ +\ 5 \\ \hline 28 \end{array} \qquad \begin{array}{r} 31 \\ +\ 24 \\ \hline 55 \end{array}$$

23 + 5: ones 3+5=8, tens 2 → **28**. 31 + 24: ones 1+4=5, tens 3+2=5 → **55**.

💡 Learn This

- Always start with the ONES column.
- Keep digits in their houses — tens under tens!

📖 **Read with me:** Twenty-three plus five is twenty-eight.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Build 23 with bundles, add 5 sticks. **See:** Follow the standing sums. **Write:** Worksheet — standing sums!

🐸 Number Line Addition — Frog Jumps

CHAPTER 3 • ADDITION

The frog sits on the first number and jumps forward! 7 + 4: sit on 7, jump 4 — land on 11. Hop, hop, hop, hop!

6 — 7 — 8 — 9 — 10 — **11** — 12 — 13

Start 7 → jump → 8, 9, 10, **11** ✔

💡 Learn This

- Addition moves RIGHT (forward) on the number line.
- Big jump or small jumps — same landing!

📖 **Read with me:** Seven jump four lands on eleven.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Draw a chalk line outside and jump real jumps. **See:** Trace the frog's jumps. **Write:** Worksheet — frog sums!

🌟 Addition to 20 — Make a Ten First!

CHAPTER 3 • ADDITION

Smart trick: 9 + 5 — take 1 from the 5 to make 10, left with 4 → 10 + 4 = 14! Making a ten makes sums easy.

$$9 + 5 = 9 + 1 + 4 = \mathbf{10 + 4 = 14}$$

$$8 + 6 = 8 + 2 + 4 = \mathbf{10 + 4 = 14}$$

💡 Learn This

- Bridge through ten: fill the ten, add the rest.
- Doubles help: 6+6=12, 7+7=14, 8+8=16, 9+9=18.

📖 **Read with me:** Nine and five — make a ten — fourteen!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Use a 10-frame of bottle caps. **See:** Watch the split numbers. **Write:** Worksheet — sums to 20!

🎲 Adding Three Numbers

CHAPTER 3 • ADDITION

Three groups can join too! Add two first — pick the friendly pair that makes 10 — then add the third.

4 + 6 + 3 = **10** + 3 = **13** • 2 + 5 + 5 = 2 + **10** = **12**

💡 Learn This

- Look for pairs that make 10 first.
- Any order works — pick the easiest!

📖 **Read with me:** Four, six and three make thirteen.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Three small piles of stones — join them your way. **See:** Circle the friendly pairs above.
Write: Worksheet — triple sums!

🎋 Adding Tens and Zero

CHAPTER 3 • ADDITION

Adding whole tens is like adding ones: 20 + 30 is 2 tens + 3 tens = 5 tens = 50! And adding ZERO changes nothing — zero is the quiet number.

20 + 30 = **50** • 40 + 10 = **50** • 7 + 0 = **7** • 0 + 15 = **15**

💡 Learn This

- Tens add like ones: 3 tens + 4 tens = 7 tens = 70.
- Any number + 0 = the same number.

📖 **Read with me:** Twenty and thirty make fifty.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Add bundles only: 3 bundles + 2 bundles. **See:** Read the tens sums. **Write:** Worksheet — tens and zero!

📖 Story Sums — Draw, Then Add

CHAPTER 3 • ADDITION

Word stories hide sums! Read slowly, DRAW the story, find the joining words — 'in all', 'altogether', 'more came' — then add.

Meena

There are 8 birds on the tree. 5 more birds come. How many birds in all? I draw 8 birds, then 5 birds... 8 + 5 = 13 birds!

8 + 5 = **13** 🐦

💡 Learn This

- Story sum steps: Read → Draw → Write the sum → Answer in words.
- Joining stories use ADDITION.

📖 **Read with me:** Eight birds and five more make thirteen birds.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Act a story sum with toys. **See:** Draw Meena's birds. **Write:** Worksheet — story sums!

✏️ Picture Addition 1

Chapter 3 • Addition • WORKSHEET

Count all together. Sums to 10.

1. 🦋🦋🦋 + 🦋🦋🦋🦋🦋🦋
3 + 6 = ____

2. 🌸🌸🌸🌸🌸 + 🌸🌸🌸🌸
5 + 4 = ____

3. 🍪🍪🍪🍪🍪🍪🍪🍪🍪 + 🍪
9 + 1 = ____

4. 🍪🍪🍪🍪🍪🍪🍪🍪🍪 + 🍪
9 + 1 = ____

5. 🍪🍪🍪🍪🍪🍪🍪🍪🍪 + 🍪
9 + 1 = ____

6. 🐠🐠🐠🐠🐠 + 🐠
5 + 1 = ____

7. 🐤🐤🐤🐤🐤🐤🐤 + 🐤🐤
7 + 2 = ____

8. 🍓🍓🍓🍓🍓🍓🍓🍓 + 🍓
8 + 1 = ____

9. 🌹🌹🌹🌹🌹🌹🌹 + 🌹🌹
7 + 2 = ____

10. 🍊🍊🍊🍊🍊🍊🍊🍊🍊 + 🍊
9 + 1 = ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Picture Addition 2

Chapter 3 • Addition • WORKSHEET

Count on from the bigger group!

1. 🍌 + 🍌🍌🍌🍌🍌🍌
1 + 6 = ____

2. 🐤🐤🐤🐤 + 🐤
4 + 1 = ____

3. 🌹🌹🌹🌹🌹🌹 + 🌹
6 + 1 = ____

4. 🍪🍪🍪🍪🍪🍪 + 🍪🍪
6 + 2 = ____

5. 🍓🍓🍓🍓🍓 + 🍓🍓🍓
5 + 3 = ____

6. 🍎🍎🍎🍎🍎🍎 + 🍎🍎🍎
6 + 3 = ____

7. 🍓🍓🍓🍓🍓🍓🍓 + 🍓🍓
7 + 2 = ____

8. ⭐⭐ + ⭐
2 + 1 = ____

9. 🍊🍊🍊🍊🍊🍊🍊🍊🍊 + 🍊
9 + 1 = ____

10. 🍌🍌🍌 + 🍌
3 + 1 = ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Standing Sums 1

Chapter 3 • Addition • WORKSHEET

Ones first, then tens.

1.
  3
+ 6
____
(3 + 6)

2.
  2
+ 1
____
(2 + 1)

3.
  8
+ 5
____
(8 + 5)

4.
  7
+ 4
____
(7 + 4)

5.
  5
+ 7
____
(5 + 7)

6.
  9
+ 8
____
(9 + 8)

7.
  7
+ 9
____
(7 + 9)

8.
  9
+ 5
____
(9 + 5)

9.
  9
+ 2
____
(9 + 2)

10.
  2
+ 8
____
(2 + 8)

11.
  8
+ 7
____
(8 + 7)

12.
  7
+ 2
____
(7 + 2)

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Standing Sums 2

Chapter 3 • Addition • WORKSHEET

Keep the houses straight!

1.
  42
+ 1
____
(42 + 1)

2.
  80
+ 8
____
(80 + 8)

3.
  51
+ 3
____
(51 + 3)

4.
  74
+ 1
____
(74 + 1)

5.
  22
+ 5
____
(22 + 5)

6.
  70
+ 5
____
(70 + 5)

7.
  65
+ 4
____
(65 + 4)

8.
  44
+ 5
____
(44 + 5)

9.
  72
+ 7
____
(72 + 7)

10.
  13
+ 3
____
(13 + 3)

11.
  52
+ 3
____
(52 + 3)

12.
  24
+ 3
____
(24 + 3)

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Frog Jump Sums

Chapter 3 • Addition • WORKSHEET

Jump forward on the number line.

1. Frog jumps! Start at **15**, jump **5** forward.
15 + 5 = ____

2. Frog jumps! Start at **13**, jump **6** forward.
13 + 6 = ____

3. Frog jumps! Start at **13**, jump **4** forward.
13 + 4 = ____

4. Frog jumps! Start at **15**, jump **5** forward.
15 + 5 = ____

5. Frog jumps! Start at **10**, jump **8** forward.
10 + 8 = ____

6. Frog jumps! Start at **9**, jump **7** forward.
9 + 7 = ____

7. Frog jumps! Start at **13**, jump **2** forward.
13 + 2 = ____

8. Frog jumps! Start at **15**, jump **2** forward.
15 + 2 = ____

9. Frog jumps! Start at **7**, jump **9** forward.
7 + 9 = ____

10. Frog jumps! Start at **5**, jump **6** forward.
5 + 6 = ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Sums to 20

Chapter 3 • Addition • WORKSHEET

Make a ten first!

1. Frog jumps! Start at **13**, jump **3** forward.
13 + 3 = ____

2. Frog jumps! Start at **13**, jump **3** forward.
13 + 3 = ____

3. Frog jumps! Start at **7**, jump **5** forward.
7 + 5 = ____

4. Frog jumps! Start at **7**, jump **3** forward.
7 + 3 = ____

5. Frog jumps! Start at **5**, jump **2** forward.
5 + 2 = ____

6. Frog jumps! Start at **13**, jump **7** forward.
13 + 7 = ____

7. Frog jumps! Start at **12**, jump **7** forward.
12 + 7 = ____

8. Frog jumps! Start at **4**, jump **4** forward.
4 + 4 = ____

9. Frog jumps! Start at **10**, jump **2** forward.
10 + 2 = ____

10. Frog jumps! Start at **5**, jump **4** forward.
5 + 4 = ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Adding Three Numbers

Chapter 3 • Addition • WORKSHEET

Find the friendly pair that makes 10.

1. 8 + 1 + 1 = ___
(Hint: make a ten first!)

2. 4 + 4 + 2 = ___
(Hint: make a ten first!)

3. 6 + 6 + 2 = ___
(Hint: make a ten first!)

4. 8 + 5 + 1 = ___
(Hint: make a ten first!)

5. 1 + 1 + 8 = ___
(Hint: make a ten first!)

6. 5 + 6 + 6 = ___
(Hint: make a ten first!)

7. 3 + 6 + 2 = ___
(Hint: make a ten first!)

8. 6 + 7 + 8 = ___
(Hint: make a ten first!)

9. 8 + 5 + 4 = ___
(Hint: make a ten first!)

10. 2 + 4 + 3 = ___
(Hint: make a ten first!)

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Adding Tens and Zero

Chapter 3 • Addition • WORKSHEET

Tens add like ones. Zero changes nothing.

1. 6 + 0 = ___

2. 70 + 30 = ___

3. 30 + 70 = ___

4. 20 + 0 = ___

5. 17 + 0 = ___

6. 23 + 0 = ___

7. 10 + 10 = ___

8. 20 + 30 = ___

9. 8 + 0 = ___

10. 26 + 0 = ___

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Story Sums — Joining

Chapter 3 • Addition • WORKSHEET

Read, draw, then add.

1. Meena counts **8** birds on a tree. Then more birds come: **6**. How many birds in all?
Draw it! Sum: ____ + ____ = ____

2. Arun counts **5** apples in a basket. Then Appa puts more apples: **9**. How many apples in all?
Draw it! Sum: ____ + ____ = ____

3. Meena counts **14** children in the park. Then more children join: **8**. How many children in all?
Draw it! Sum: ____ + ____ = ____

4. Arun counts **9** fish in a pond. Then more fish swim in: **6**. How many fish in all?
Draw it! Sum: ____ + ____ = ____

5. Kavin counts **5** books on a shelf. Then teacher adds more books: **6**. How many books in all?
Draw it! Sum: ____ + ____ = ____

6. Kavin counts **11** flowers in a vase. Then Meena adds more flowers: **2**. How many flowers in all?
Draw it! Sum: ____ + ____ = ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

🔑 Answers — Chapter 3 • Addition

Picture Addition 1

1) **9** 2) **9** 3) **10** 4) **10** 5) **10** 6) **6** 7) **9** 8) **9** 9) **9** 10) **10**

Picture Addition 2

1) **7** 2) **5** 3) **7** 4) **8** 5) **8** 6) **9** 7) **9** 8) **3** 9) **10** 10) **4**

Standing Sums 1

1) **9** 2) **3** 3) **13** 4) **11** 5) **12** 6) **17** 7) **16** 8) **14** 9) **11** 10) **10** 11) **15** 12) **9**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 3 • Addition

Standing Sums 2

1) **43** 2) **88** 3) **54** 4) **75** 5) **27** 6) **75** 7) **69** 8) **49** 9) **79** 10) **16** 11) **55** 12) **27**

Frog Jump Sums

1) **20** 2) **19** 3) **17** 4) **20** 5) **18** 6) **16** 7) **15** 8) **17** 9) **16** 10) **11**

Sums to 20

1) **16** 2) **16** 3) **12** 4) **10** 5) **7** 6) **20** 7) **19** 8) **8** 9) **12** 10) **9**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 3 • Addition

Adding Three Numbers

1) **10** 2) **10** 3) **14** 4) **14** 5) **10** 6) **17** 7) **11** 8) **21** 9) **17** 10) **9**

Adding Tens and Zero

1) **6** 2) **100** 3) **100** 4) **20** 5) **17** 6) **23** 7) **20** 8) **50** 9) **8** 10) **26**

Story Sums — Joining

1) **8 + 6 = 14** 2) **5 + 9 = 14** 3) **14 + 8 = 22** 4) **9 + 6 = 15** 5) **5 + 6 = 11** 6) **11 + 2 = 13**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

➖ Taking Away — Subtraction

CHAPTER 4 • SUBTRACTION

Kavin has 6 biscuits. He eats 2. How many are LEFT? Taking away is SUBTRACTION. The sign is − and the answer is what remains.



6 − 2 = 4

💡 Learn This

- − means take away. The first number is the whole group.
- Subtraction answers are SMALLER (or equal).

📖 **Read with me:** Six take away two leaves four.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Take real biscuits (or stones) away and count left. **See:** Cross out 2 biscuits above in your mind. **Write:** Write 6 − 2 = 4.

🎈 Picture Subtraction — To 10

CHAPTER 4 • SUBTRACTION

Some balloons fly away! Count all, cross out the gone ones, count what stays. Crossing out is the picture way to subtract.

 → 8 − 3 = **5** stay

💡 Learn This

- Count back trick: from 8 say 7, 6, 5 — three counts back.
- The crossed-out ones are the taken-away ones.

📖 **Read with me:** Eight take away three leaves five.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Blow up fingers, fold down the taken ones. **See:** Do the balloons. **Write:** Worksheet — picture take-aways!

⬆️ Vertical Subtraction — Standing Take-Aways

CHAPTER 4 • SUBTRACTION

Standing sums work for taking away too! Ones under ones. Start with the ONES, then the TENS.

$$\begin{array}{r} 27 \\ -\ 5 \\ \hline 22 \end{array} \qquad \begin{array}{r} 48 \\ -\ 23 \\ \hline 25 \end{array}$$

27 − 5: ones 7−5=2, tens 2 → **22**. 48 − 23: ones 8−3=5, tens 4−2=2 → **25**.

💡 Learn This

- Top number must be the bigger one (in our sums).
- Ones first, then tens — always!

📖 **Read with me:** Twenty-seven take away five is twenty-two.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Build 27 with bundles, remove 5 sticks. **See:** Follow the standing sums. **Write:** Worksheet — standing take-aways!

🐸 Number Line Backwards — Frog Hops Back

CHAPTER 4 • SUBTRACTION

For subtraction, the frog hops BACKWARD! 11 − 4: sit on 11, hop back 4 — land on 7. Hop, hop, hop, hop — backwards!

5 — 6 — **7** — 8 — 9 — 10 — 11

Start 11 → hop back → 10, 9, 8, **7** ✔

💡 Learn This

- Subtraction moves LEFT (backward) on the number line.
- Addition and subtraction are opposites — frogs both ways!

📖 **Read with me:** Eleven hop back four lands on seven.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Walk a chalk line backwards carefully. **See:** Trace the hops. **Write:** Worksheet — frog-back sums!

🌉 Subtraction to 20 — Bridge Back Through Ten

CHAPTER 4 • SUBTRACTION

14 − 6: hop back to 10 first (4 hops), then 2 more hops → land on 8! Breaking the jump at ten makes it easy.

$$14 - 6 = 14 - 4 - 2 = \mathbf{10 - 2 = 8}$$
$$15 - 8 = 15 - 5 - 3 = \mathbf{10 - 3 = 7}$$

💡 Learn This

- Split the take-away: reach 10, then go further.
- Check with addition: 8 + 6 = 14 ✔ so 14 − 6 = 8!

📖 **Read with me:** Fourteen take away six leaves eight.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: 10-frame caps: fill, then remove in two steps. **See:** Watch the split jumps. **Write:** Worksheet — to 20!

🎋 Subtracting Tens, Zero and All

CHAPTER 4 • SUBTRACTION

50 − 20 is 5 tens − 2 tens = 3 tens = 30! Take away ZERO — everything stays. Take away ALL — nothing stays: 9 − 9 = 0.

50 − 20 = **30** • 8 − 0 = **8** • 9 − 9 = **0** • 70 − 70 = **0**

💡 Learn This

- Tens subtract like ones.
- n − 0 = n. n − n = 0.

📖 **Read with me:** Fifty take away twenty leaves thirty.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Remove whole bundles only. **See:** Read the three special rules. **Write:** Worksheet — tens, zero and all!

📖 Story Sums — Left, Gone, Remain

CHAPTER 4 • SUBTRACTION

Leaving stories hide take-aways! Look for 'left', 'ate', 'gave away', 'flew off', 'how many remain'. Draw, cross out, subtract.

Arun

Amma made 15 idlis. We ate 9 for breakfast. How many are left? 15 − 9 = 6 idlis left. Yum, lunch is saved!

15 − 9 = **6**

💡 Learn This

- Leaving stories use SUBTRACTION.
- Always answer in words: '6 idlis are left.'

📖 **Read with me:** Fifteen take away nine leaves six.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Act a leaving story with toys. **See:** Draw Arun's idlis and cross out 9. **Write:** Worksheet — story take-aways!

✏️ Picture Take-Aways 1

Chapter 4 • Subtraction • WORKSHEET

Cross out and count what is left.

1. 🎈🎈🎈🎈🎈🎈🎈🎈
Cross out 5. **8 − 5 =** ___

2. 🌹🌹🌹🌹🌹🌹🌹🌹🌹🌹
Cross out 2. **10 − 2 =** ___

3. ⭐⭐⭐⭐⭐⭐⭐
Cross out 2. **7 − 2 =** ___

4. 🐤🐤🐤🐤
Cross out 1. **4 − 1 =** ___

5. 🍌🍌🍌🍌🍌🍌🍌🍌
Cross out 1. **8 − 1 =** ___

6. 🍌🍌🍌🍌🍌
Cross out 3. **5 − 3 =** ___

7. 🌹🌹🌹🌹🌹🌹🌹🌹🌹
Cross out 7. **9 − 7 =** ___

8. 🦋🦋🦋🦋🦋🦋🦋
Cross out 6. **7 − 6 =** ___

9. 🍪🍪🍪🍪🍪🍪
Cross out 3. **6 − 3 =** ___

10. 🍌🍌🍌🍌🍌🍌
Cross out 3. **6 − 3 =** ___

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Picture Take-Aways 2

Chapter 4 • Subtraction • WORKSHEET

Count back carefully.

1. 🦋🦋🦋🦋🦋🦋
Cross out 1. **6 − 1 =** ___

2. 🍓🍓🍓🍓🍓
Cross out 1. **5 − 1 =** ___

3. 🐤🐤🐤🐤🐤🐤🐤🐤🐤
Cross out 2. **9 − 2 =** ___

4. 🍪🍪🍪🍪🍪🍪🍪🍪
Cross out 1. **8 − 1 =** ___

5. 🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊
Cross out 2. **10 − 2 =** ___

6. 🐠🐠🐠🐠🐠🐠🐠🐠🐠🐠🐠
Cross out 4. **11 − 4 =** ___

7. 🌸🌸🌸🌸🌸🌸
Cross out 3. **6 − 3 =** ___

8. 🌹🌹🌹🌹🌹🌹🌹
Cross out 1. **7 − 1 =** ___

9. 🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎
Cross out 1. **10 − 1 =** ___

10. 🌹🌹🌹🌹🌹🌹🌹🌹🌹
Cross out 6. **9 − 6 =** ___

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Standing Take-Aways 1

Chapter 4 • Subtraction • WORKSHEET

Ones first, then tens.

1. 9 − 8 = ____
(9 − 8)

2. 8 − 8 = ____
(8 − 8)

3. 7 − 7 = ____
(7 − 7)

4. 7 − 2 = ____
(7 − 2)

5. 4 − 4 = ____
(4 − 4)

6. 6 − 6 = ____
(6 − 6)

7. 8 − 6 = ____
(8 − 6)

8. 7 − 7 = ____
(7 − 7)

9. 9 − 1 = ____
(9 − 1)

10. 5 − 2 = ____
(5 − 2)

11. 3 − 1 = ____
(3 − 1)

12. 3 − 3 = ____
(3 − 3)

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Standing Take-Aways 2

Chapter 4 • Subtraction • WORKSHEET

Standing take-aways with tens.

1. 92 − 2 = ____
(92 − 2)

2. 51 − 0 = ____
(51 − 0)

3. 66 − 2 = ____
(66 − 2)

4. 61 − 0 = ____
(61 − 0)

5. 43 − 1 = ____
(43 − 1)

6. 70 − 0 = ____
(70 − 0)

7. 30 − 0 = ____
(30 − 0)

8. 97 − 1 = ____
(97 − 1)

9. 94 − 0 = ____
(94 − 0)

10. 49 − 2 = ____
(49 − 2)

11. 15 − 2 = ____
(15 − 2)

12. 37 − 3 = ____
(37 − 3)

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Frog Hops Back

Chapter 4 • Subtraction • WORKSHEET

Hop backward on the number line.

1. Frog hops back! Start at **9**, hop back **4**.
9 − 4 = ___

2. Frog hops back! Start at **16**, hop back **4**.
16 − 4 = ___

3. Frog hops back! Start at **10**, hop back **6**.
10 − 6 = ___

4. Frog hops back! Start at **18**, hop back **4**.
18 − 4 = ___

5. Frog hops back! Start at **17**, hop back **8**.
17 − 8 = ___

6. Frog hops back! Start at **16**, hop back **2**.
16 − 2 = ___

7. Frog hops back! Start at **13**, hop back **5**.
13 − 5 = ___

8. Frog hops back! Start at **13**, hop back **5**.
13 − 5 = ___

9. Frog hops back! Start at **15**, hop back **4**.
15 − 4 = ___

10. Frog hops back! Start at **17**, hop back **5**.
17 − 5 = ___

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Take-Aways to 20

Chapter 4 • Subtraction • WORKSHEET

Bridge back through ten.

1. Frog hops back! Start at **10**, hop back **4**.
10 − 4 = ___

2. Frog hops back! Start at **13**, hop back **3**.
13 − 3 = ___

3. Frog hops back! Start at **11**, hop back **7**.
11 − 7 = ___

4. Frog hops back! Start at **11**, hop back **2**.
11 − 2 = ___

5. Frog hops back! Start at **16**, hop back **5**.
16 − 5 = ___

6. Frog hops back! Start at **19**, hop back **4**.
19 − 4 = ___

7. Frog hops back! Start at **16**, hop back **2**.
16 − 2 = ___

8. Frog hops back! Start at **13**, hop back **6**.
13 − 6 = ___

9. Frog hops back! Start at **11**, hop back **4**.
11 − 4 = ___

10. Frog hops back! Start at **20**, hop back **6**.
20 − 6 = ___

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Tens, Zero and All

Chapter 4 • Subtraction • WORKSHEET

Special take-aways!

1. 26 − 26 = ___

2. 30 − 10 = ___

3. 34 − 34 = ___

4. 70 − 30 = ___

5. 11 − 0 = ___

6. 19 − 0 = ___

7. 40 − 30 = ___

8. 36 − 0 = ___

9. 50 − 30 = ___

10. 12 − 0 = ___

11. 30 − 20 = ___

12. 28 − 28 = ___

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Story Sums — Leaving

Chapter 4 • Subtraction • WORKSHEET

Read, draw, cross out, subtract.

1. There are **18** idlis on a plate. Then we eat some: **12**. How many idlis are left?
Draw and cross out! Sum: ____ − ____ = ____

2. There are **17** balloons. Then some fly away: **9**. How many balloons are left?
Draw and cross out! Sum: ____ − ____ = ____

3. There are **12** mangoes in a box. Then we give some to friends: **4**. How many mangoes are left?
Draw and cross out! Sum: ____ − ____ = ____

4. There are **11** candles on a cake. Then some are blown out: **2**. How many candles still burn?
Draw and cross out! Sum: ____ − ____ = ____

5. There are **13** ducks in a pond. Then some swim away: **2**. How many ducks are left?
Draw and cross out! Sum: ____ − ____ = ____

6. There are **12** pencils in a box. Then Arun takes some out: **4**. How many pencils are left?
Draw and cross out! Sum: ____ − ____ = ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

🔑 Answers — Chapter 4 • Subtraction

Picture Take-Aways 1

1) **3** 2) **8** 3) **5** 4) **3** 5) **7** 6) **2** 7) **2** 8) **1** 9) **3** 10) **3**

Picture Take-Aways 2

1) **5** 2) **4** 3) **7** 4) **7** 5) **8** 6) **7** 7) **3** 8) **6** 9) **9** 10) **3**

Standing Take-Aways 1

1) **1** 2) **0** 3) **0** 4) **5** 5) **0** 6) **0** 7) **2** 8) **0** 9) **8** 10) **3** 11) **2** 12) **0**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 4 • Subtraction

Standing Take-Aways 2

1) **90** 2) **51** 3) **64** 4) **61** 5) **42** 6) **70** 7) **30** 8) **96** 9) **94** 10) **47** 11) **13** 12) **34**

Frog Hops Back

1) **5** 2) **12** 3) **4** 4) **14** 5) **9** 6) **14** 7) **8** 8) **8** 9) **11** 10) **12**

Take-Aways to 20

1) **6** 2) **10** 3) **4** 4) **9** 5) **11** 6) **15** 7) **14** 8) **7** 9) **7** 10) **14**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 4 • Subtraction

Tens, Zero and All

1) **0** 2) **20** 3) **0** 4) **40** 5) **11** 6) **19** 7) **10** 8) **36** 9) **20** 10) **12** 11) **10** 12) **0**

Story Sums — Leaving

1) **18 − 12 = 6** 2) **17 − 9 = 8** 3) **12 − 4 = 8** 4) **11 − 2 = 9** 5) **13 − 2 = 11** 6) **12 − 4 = 8**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔷 Shape Friends — A Quick Reunion

CHAPTER 5 • SHAPES & PATTERNS

Our old friends are back! Circle, Square, Triangle, Rectangle and Oval have new secrets to show us — their SIDES and CORNERS.



💡 Learn This

- Shapes are everywhere — this chapter makes you a shape detective.
- We will count sides and corners like numbers!

📖 **Read with me:** Circle, square, triangle, rectangle, oval!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Trace each shape in the air with your finger. **See:** Name the cards. **Write:** Draw all 5 shapes.

📐 Sides and Corners — Counting Shape Parts

CHAPTER 5 • SHAPES & PATTERNS

A SIDE is a straight (or round) edge. A CORNER is where two sides meet — pointy! Count them with the Shape Friends.

Shape	Sides	Corners
🔺 Triangle	3	3
🟦 Square	4 (all equal)	4
▭ Rectangle	4 (2 long, 2 short)	4
⭕ Circle	1 round side	0
🥚 Oval	1 round side	0

💡 Learn This

- TRI-angle = 3 angles (corners).
- Shapes with 0 corners can ROLL!

📖 **Read with me:** A triangle has three sides and three corners.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Feel the corners of your book and a ball. **See:** Count sides on the table. **Write:** Worksheet — sides and corners!

🔁 Patterns — Shapes Take Turns

CHAPTER 5 • SHAPES & PATTERNS

When shapes take turns in a line, a PATTERN is born! Find the part that repeats — that is the pattern's heart.

🔴🟦🔴🟦🔴__ (AB pattern)

🔺🔺⭕🔺🔺⭕🔺🔺__ (AAB pattern)

⭐🌙🌙⭐🌙🌙⭐__ __ (ABB pattern)

💡 Learn This

- Name the pattern with letters: AB, AAB, ABB, ABC.
- Say it aloud — your ears help your eyes!

📖 **Read with me:** Circle, square, circle, square — the pattern goes on!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Make a spoon-fork pattern on the table. **See:** Finish the three patterns above. **Write:** Worksheet — patterns!

🌈 Colour and Number Patterns

CHAPTER 5 • SHAPES & PATTERNS

Patterns hide in colours and numbers too! Colours: red, blue, red, blue... Numbers: 2, 4, 6, 8 — skip counting IS a pattern!

🔴🟡🟢🔴🟡🟢🔴__ (ABC colours)

5, 10, 15, 20, __ (5s pattern) • 1, 3, 5, 7, __ (odd pattern)

💡 Learn This

- Growing patterns grow by a rule: +2, +5, +10.
- Look at the jump between numbers to find the rule.

📖 **Read with me:** Five, ten, fifteen, twenty, twenty-five!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Clap-stamp-clap-stamp pattern with a friend. **See:** Finish both patterns. **Write:** Worksheet — more patterns!

🧭 Positions — In, Out, Top, Bottom, Near, Far

CHAPTER 5 • SHAPES & PATTERNS

Where is the cat? IN the box! Where is the bird? ON TOP of the tree! Position words tell us WHERE things are.

🐱 IN the box 📦 • 🐦 ON the tree 🌳 • ⚽ UNDER the table

Meena stands NEAR the gate. The school is FAR from the sea. Arun is BETWEEN Kavin and Meena!

💡 Learn This

- Position words: in, on, under, over, near, far, before, after, between.
- First, second, third are ORDER positions — remember the race!

📖 **Read with me:** The cat is in the box. The bird is on the tree.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Put a ball in, on, under a chair as teacher says. **See:** Point to each position above.
Write: Say 3 position sentences about your classroom.

🏠 Build Pictures with Shapes

CHAPTER 5 • SHAPES & PATTERNS

Artists build whole pictures from shapes! A house is a square + triangle roof. A train is rectangles + circle wheels. Now YOU are the artist.



Count in the house: squares __, triangles __, rectangles __, circles __.

💡 Learn This

- Every picture around you is made of shapes.
- Combine shapes to create — maths is art!

📖 **Read with me:** I can build a house with shapes!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Cut paper shapes and build a picture. **See:** Count shapes in the emoji pictures (house: 1 square body in the emoji... count what you see!). **Write:** Draw a shape-robot and label its shapes.

✏️ Pattern Play 1

Chapter 5 • Shapes & Patterns • WORKSHEET

What comes next in each pattern?

1. What comes next?

🔺 ⭕ 🔺 ⭕ 🔺 ___

2. What comes next?

🔴 🟦 🟦 🔴 🟦 🟦 🔴 ___

3. What comes next?

⭐ ⭐ 🌙 ⭐ ⭐ 🌙 ⭐ ⭐ ___

4. What comes next?

🦋 🌸 🌸 🦋 🌸 🌸 🦋 ___

5. What comes next?

🟢 🟡 ⭐ 🟢 🟡 ⭐ 🟢 ___

6. What comes next?

🟢 🟡 ⭐ 🟢 🟡 ⭐ 🟢 ___

7. What comes next?

🦋 🌸 🌸 🦋 🌸 🌸 🦋 ___

8. Growing pattern:

1, 11, 21, 31, ___

9. What comes next?

🔴 🟦 🟦 🔴 🟦 🟦 🔴 ___

10. Growing pattern:

1, 11, 21, 31, ___

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Pattern Play 2

Chapter 5 • Shapes & Patterns • WORKSHEET

Say the pattern aloud, then finish it.

1. What comes next?
🔺⭕🟣🔺⭕🟣🔺 ___

2. What comes next?
🔺⭕🟣🔺⭕🟣🔺 ___

3. Growing pattern:
4, 6, 8, 10, ___

4. What comes next?
🔺🔺⭕🔺🔺⭕🔺🔺 ___

5. What comes next?
⭐⭐🌙⭐⭐🌙⭐⭐ ___

6. What comes next?
🔴🟦🔴🟦🔴 ___

7. What comes next?
⭐🌙🌙⭐🌙🌙⭐ ___

8. Growing pattern:
2, 4, 6, 8, ___

9. What comes next?
🔺⭕🟣🔺⭕🟣🔺 ___

10. What comes next?
⭐⭐🌙⭐⭐🌙⭐⭐ ___

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Shape Counting

Chapter 5 • Shapes & Patterns • WORKSHEET

Count only the shape asked for.

1. Count only ⭐:
🟦 ⭕ 🟦 ⭐ ⭐ 🔺 ⭐ 🔺 ⭕ 🔺
How many ⭐? ____

2. Count only ⭕:
⭕ ⭕ ⭕ 🟦 🔺 ⭐ ⭐ ⭐ ⭐ 🔺
How many ⭕? ____

3. Count only ⭐:
⭕ ⭕ 🔺 ⭕ 🟦 ⭐ ⭐ ⭐ 🟦 ⭕
How many ⭐? ____

4. Count only 🔺:
🟦 ⭕ ⭐ ⭕ ⭕ 🔺 🔺 ⭕ 🟦 ⭐
How many 🔺? ____

5. Count only ⭕:
⭐ ⭕ ⭐ ⭕ ⭐ 🟦 🟦 🟦 🟦 ⭕
How many ⭕? ____

6. Count only ⭐:
⭐ 🔺 🔺 🔺 ⭕ 🟦 ⭐ 🟦 ⭐ 🔺
How many ⭐? ____

7. Count only ⭐:
🟦 ⭕ 🟦 🔺 🟦 ⭐ ⭐ 🟦 ⭐ 🔺
How many ⭐? ____

8. Count only ⭕:
⭐ ⭕ 🔺 ⭐ ⭕ ⭐ ⭐ ⭕ 🔺 🔺
How many ⭕? ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Sides and Corners Quiz

Chapter 5 • Shapes & Patterns • WORKSHEET

Shape detective questions!

1. How many corners does a circle have?
Answer: _____

2. How many corners does a square have?
Answer: _____

3. Which shape has 3 corners?
Answer: _____

4. Which shape can roll — circle or square?
Answer: _____

5. How many sides does a rectangle have?
Answer: _____

6. How many corners does an oval have?
Answer: _____

7. How many sides does a triangle have?
Answer: _____

8. Which shape is a door — rectangle or circle?
Answer: _____

9. How many equal sides does a square have?
Answer: _____

10. How many sides does a circle have? (round side)
Answer: _____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

🔑 Answers — Chapter 5 • Shapes & Patterns

Pattern Play 1

1) ⭕ 2) 🟦 3) 🌙 4) 🌸 5) 🟡 6) 🟡 7) 🌸 8) **41** 9) 🟦 10) **41**

Pattern Play 2

1) ⭕ 2) ⭕ 3) **12** 4) ⭕ 5) 🌙 6) 🟦 7) 🌙 8) **10** 9) ⭕ 10) 🌙

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 5 • Shapes & Patterns

Shape Counting

1) **3** 2) **3** 3) **3** 4) **2** 5) **3** 6) **3** 7) **3** 8) **3**

Sides and Corners Quiz

1) **0** 2) **4** 3) **Triangle** 4) **Circle** 5) **4** 6) **0** 7) **3** 8) **Rectangle** 9) **4** 10) **1**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

📏 Long and Short, Tall and Short

CHAPTER 6 • MEASUREMENT & TIME

Which is LONGER — the train or the bus? Line things up at one end and compare! Giraffes are TALL, rabbits are SHORT.

🚂🚂🚂🚂 (train — LONGER) vs 🚌 (bus)

🦒 TALL • 🐇 SHORT • Your pencil vs your teacher's scale 📏

💡 Learn This

- To compare length, start both at the same line.
- Long/short is for lying things; tall/short for standing things.

📖 **Read with me:** The train is longer than the bus.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Compare your pencil with a friend's — whose is longer? **See:** Point to tall and short.
Write: Worksheet — circle the longer one!

⚖️ Heavy and Light

CHAPTER 6 • MEASUREMENT & TIME

An elephant is HEAVY, a feather is LIGHT. Hold one thing in each hand — the hand that sinks holds the heavier one!

🐘 HEAVY • 🪶 LIGHT • 📚 HEAVY • 🎈 LIGHT

💡 Learn This

- A balance tilts down on the heavy side.
- Big is not always heavy — a big balloon is lighter than a small stone!

📖 **Read with me:** The elephant is heavy. The feather is light.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Hold a book and a leaf — feel the difference. **See:** Read the pairs. **Write:** Worksheet — heavy or light?

🥛 Full and Empty, More and Less

CHAPTER 6 • MEASUREMENT & TIME

Amma pours milk: Meena's glass is FULL, Arun's is HALF, Kavin drank his — EMPTY! Containers hold more or less.

🥛 Full • 🥤 Half • 🫗 Empty

The bucket holds MORE than the cup. The cup holds LESS than the bucket.

💡 Learn This

- Full = no space left. Empty = nothing inside.
- Compare by pouring from one container to another.

📖 **Read with me:** The bucket holds more than the cup.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Pour water between a cup and a bottle outside. **See:** Order the glasses: full, half, empty. **Write:** Worksheet — more and less!

🌞 Day and Night — My Day in Order

CHAPTER 6 • MEASUREMENT & TIME

The sun wakes us, the moon tucks us in! Morning → noon → evening → night. Every day follows the same happy order.

🌅 Morning: wake, brush, school • ☀️ Noon: lunch, rest
🌇 Evening: play, homework • 🌙 Night: dinner, story, sleep

💡 Learn This

- Yesterday → Today → Tomorrow are day words.
- A week has 7 days — Sunday to Saturday!

📖 **Read with me:** In the morning I go to school. At night I sleep.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Mime your morning actions in order. **See:** Read the day line. **Write:** Worksheet — put the day in order!

🕐 The Clock — O'Clock Times

CHAPTER 6 • MEASUREMENT & TIME

The clock has two hands: a SHORT hour hand and a LONG minute hand. When the long hand points up at 12, we say O'CLOCK!



Short hand on 3, long hand on 12 → **3 o'clock**. School begins at 9 o'clock!

💡 Learn This

- Minute hand up (12) = o'clock. Read the SHORT hand for the hour.
- Hours go 1 to 12, round and round, twice a day!

📖 **Read with me:** It is nine o'clock. Time for school!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Make a clock with your arms — show 5 o'clock. **See:** Read all six clocks above: 1, 2, 3, 4, 5, 6 o'clock. **Write:** Worksheet — clock times!

✏️ Long, Heavy, Full — Choose!

Chapter 6 • Measurement & Time • WORKSHEET

Circle the right one in each pair.

1. Circle the HEAVIER one:
🧱 **brick** or 🧽 **sponge**

2. Circle the EMPTY one:
🥛 **empty glass** or 🥛 **full glass**

3. Circle the one that holds MORE:
🪣 **bucket** or 🥤 **cup**

4. Circle the LONGER one:
🚂🚂🚂🚂 or 🚌

5. Circle the SHORTER one:
🚗🚗🚗 **car line** or 🚗 **one car**

6. Circle the LIGHTER one:
🍎 **apple** or 🍃 **leaf**

7. Circle the HEAVIER one:
🐘 or 🪶

8. Circle the LONGER one:
✏️✏️✏️ **long pencil line** or ✏️ **short pencil**

9. Circle the LIGHTER one:
📚 or 🎈

10. Circle the FULL one:
🥛 **full glass** or 🥛 **empty glass**

11. Circle the TALLER one:
🌴 or 🌱

12. Circle the SHORTER one:
🦒 or 🐇

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Clock Times

Chapter 6 • Measurement & Time • WORKSHEET

Read the clocks. All are o'clock times!

1. What time is it?



____ o'clock

2. What time is it?



____ o'clock

3. What time is it?



____ o'clock

4. What time is it?



____ o'clock

5. What time is it?



____ o'clock

6. What time is it?



____ o'clock

7. What time is it?



____ o'clock

8. What time is it?



____ o'clock

9. What time is it?



____ o'clock

10. What time is it?



____ o'clock

11. What time is it?



____ o'clock

12. What time is it?



____ o'clock

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Day and Night Questions

Chapter 6 • Measurement & Time • WORKSHEET

Think about your day!

1. When do we see the moon and stars?
Answer: _____

2. We go to school in the...
Answer: _____

3. We sleep at...
Answer: _____

4. When do we see the sun — day or night?
Answer: _____

5. What comes after morning?
Answer: _____

6. What day comes before Saturday?
Answer: _____

7. What comes after evening?
Answer: _____

8. What do we do FIRST in the morning — wake up or eat lunch?
Answer: _____

9. What day comes after Sunday?
Answer: _____

10. How many days are in a week?
Answer: _____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

🔑 Answers — Chapter 6 • Measurement & Time

Long, Heavy, Full — Choose!

1) **the brick** 2) **the empty glass** 3) **the bucket** 4) **the train** 5) **one car (shorter)** 6) **the leaf** 7) **the elephant** 8) **the long pencil line** 9) **the balloon** 10) **the full glass** 11) **the palm tree** 12) **the rabbit (shorter)**

Clock Times

1) **3 o'clock** 2) **8 o'clock** 3) **9 o'clock** 4) **3 o'clock** 5) **12 o'clock** 6) **2 o'clock** 7) **12 o'clock** 8) **6 o'clock** 9) **12 o'clock** 10) **3 o'clock** 11) **7 o'clock** 12) **12 o'clock**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🔑 Answers — Chapter 6 • Measurement & Time

Day and Night Questions

1) **Night** 2) **Morning** 3) **Night** 4) **Day** 5) **Noon** 6) **Friday** 7) **Night** 8) **Wake up** 9) **Monday** 10) **7**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🪙 Coins of India — ₹1, ₹2, ₹5, ₹10

CHAPTER 7 • MONEY INTRO

Meena's piggy bank jingles! Out roll Indian coins. Each coin has a number that tells its value — how much it is worth.



₹1

One rupee



₹2

Two rupees



₹5

Five rupees



₹10

Ten rupees

💡 Learn This

- ₹ is the sign for rupees. The coin's number = its value.
- ₹10 is worth the most of these four coins.

📖 **Read with me:** A five-rupee coin is worth five rupees.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Look at real coins with a grown-up (wash hands after!). **See:** Read each coin's value.
Write: Worksheet — name the coin!

💵 Notes and Coin Totals

CHAPTER 7 • MONEY INTRO

Paper money is called NOTES: ₹10, ₹20, ₹50 and more. And coins ADD UP — two ₹5 coins make ₹10! Money maths is addition!

₹5 + ₹5 = **₹10** • ₹2 + ₹2 + ₹1 = **₹5** • ₹10 + ₹5 = **₹15**

💡 Learn This

- To find a money total, add the coin values.
- The same total can be made in many ways!

📖 **Read with me:** Five rupees and five rupees make ten rupees.

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Play shop with toy coins. **See:** Check the three totals. **Write:** Worksheet — coin totals!

🛒 Buying with Coins — The Little Shop

CHAPTER 7 • MONEY INTRO

At Kavin's toy shop, everything has a price tag! A balloon costs ₹5 — give ONE ₹5 coin. A pencil costs ₹3 — give ₹2 + ₹1. Exact coins, clever buyer!

Thing	Price	Coins to Give
🎈 Balloon	₹5	one ₹5 coin
✏️ Pencil	₹3	₹2 + ₹1
🍬 Candy	₹2	one ₹2 coin
📕 Notebook	₹10	one ₹10 coin

💡 Learn This

- Read the price first, then choose coins that make exactly that total.
- Money is earned, saved and spent wisely — like in the piggy bank!

📖 **Read with me:** The balloon costs five rupees. Here is a five-rupee coin!

✋ Touch → 👀 See → ✏️ Write (CPA)

Touch: Set up a pretend shop at home with price tags. **See:** Read the shop table. **Write:** Worksheet — be the buyer!

✏️ Name the Coin

Chapter 7 • Money Intro • WORKSHEET

Write the value of each coin.

1. 🪙 This coin says **₹5**.
Its value is ₹ ____

2. 🪙 This coin says **₹5**.
Its value is ₹ ____

3. 🪙 This coin says **₹2**.
Its value is ₹ ____

4. 🪙 This coin says **₹2**.
Its value is ₹ ____

5. 🪙 This coin says **₹2**.
Its value is ₹ ____

6. 🪙 This coin says **₹1**.
Its value is ₹ ____

7. 🪙 This coin says **₹5**.
Its value is ₹ ____

8. 🪙 This coin says **₹10**.
Its value is ₹ ____

9. 🪙 This coin says **₹2**.
Its value is ₹ ____

10. 🪙 This coin says **₹2**.
Its value is ₹ ____

11. 🪙 This coin says **₹1**.
Its value is ₹ ____

12. 🪙 This coin says **₹5**.
Its value is ₹ ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Coin Totals — Little Shop

Chapter 7 • Money Intro • WORKSHEET

Add the coins. What is the total?

1. Add the coins:
₹10 + ₹2
Total = ₹ ____

2. Add the coins:
₹10 + ₹2
Total = ₹ ____

3. Add the coins:
₹5 + ₹1
Total = ₹ ____

4. Add the coins:
₹5 + ₹10
Total = ₹ ____

5. Add the coins:
₹2 + ₹2
Total = ₹ ____

6. Add the coins:
₹1 + ₹2
Total = ₹ ____

7. Add the coins:
₹10 + ₹1 + ₹1
Total = ₹ ____

8. Add the coins:
₹2 + ₹5 + ₹1
Total = ₹ ____

9. Add the coins:
₹10 + ₹1
Total = ₹ ____

10. Add the coins:
₹1 + ₹5 + ₹10
Total = ₹ ____

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

🔑 Answers — Chapter 7 • Money Intro

Name the Coin

1) **₹5** 2) **₹5** 3) **₹2** 4) **₹2** 5) **₹2** 6) **₹1** 7) **₹5** 8) **₹10** 9) **₹2** 10) **₹2** 11) **₹1** 12) **₹5**

Coin Totals — Little Shop

1) **₹12** 2) **₹12** 3) **₹6** 4) **₹15** 5) **₹4** 6) **₹3** 7) **₹12** 8) **₹8** 9) **₹11** 10) **₹16**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🏁 Final Round — Mixed Worksheets Ahead!

You have climbed the whole Number Castle! These last worksheets mix EVERYTHING — numbers, adding, taking away, shapes, clocks and coins. Take your time, superstar.

🔢 Numbers	➕➖ Sums	🔷 Shapes	🪙🕐 Money & Time
to 100	to 20	& patterns	coins & clocks

📖 **Read with me:** I can count to one hundred. I can add and take away. Maths is my superpower!

⭐ **How to Finish Like a Champion**

1. Do one worksheet a day. 2. Check answers with a grown-up. 3. Play the two games on the next pages. 4. Collect your certificate on the last page!

✏️ Final Worksheet 1 — Numbers Mix

Final Round • WORKSHEET

Sequences, tens and ones, before and after.

1. Fill the missing numbers:
70, 71, ___, 73, 74

2. Fill the missing numbers:
43, 44, 45, ___, 47

3. Fill the missing numbers:
21, 22, ___, ___, 25

4. 28 = ____ tens + ____ ones

5. 2 tens + 6 ones = ____

6. 88 = ____ tens + ____ ones

7. 63 = ____ tens + ____ ones

8. What comes **before**?
____ , **66**

9. What comes **before**?
____ , **50**

10. What comes **after**?
26 , ____

11. What comes **before**?
____ , **54**

12. What comes **before**?
____ , **30**

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Final Worksheet 2 — Sums Mix

Final Round • WORKSHEET

Adding and taking away — your choice of frog jumps!

1.
  67
+ 10
____
(67 + 10)

2.
  33
+ 11
____
(33 + 11)

3.
  41
+ 17
____
(41 + 17)

4.
  78
+ 11
____
(78 + 11)

5.
  74
+ 14
____
(74 + 14)

6.
  60
+ 18
____
(60 + 18)

7.
  79
− 2
____
(79 − 2)

8.
  77
− 3
____
(77 − 3)

9.
  63
− 1
____
(63 − 1)

10.
  32
− 1
____
(32 − 1)

11.
  54
− 1
____
(54 − 1)

12.
  32
− 2
____
(32 − 2)

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

✏️ Final Worksheet 3 — World Mix

Final Round • WORKSHEET

Coins, clocks and crocodiles!

1. Add the coins:
₹1 + ₹10 + ₹5
Total = ₹ ____

2. Add the coins:
₹2 + ₹10
Total = ₹ ____

3. Add the coins:
₹1 + ₹10
Total = ₹ ____

4. Add the coins:
₹5 + ₹5 + ₹10
Total = ₹ ____

5. What time is it?



____ o'clock

6. What time is it?



____ o'clock

7. What time is it?



____ o'clock

8. What time is it?



____ o'clock

9. Circle the **bigger** number:
74 or **86**

10. Circle the **bigger** number:
93 or **62**

11. Circle the **bigger** number:
72 or **80**

12. Circle the **bigger** number:
25 or **100**

👦👧🧒 *Finished? Check your answers at the end of this chapter!*

🔑 Answers — Final Round

Final Worksheet 1 — Numbers Mix

1) **72** 2) **46** 3) **23, 24** 4) **2 tens + 8 ones** 5) **26** 6) **8 tens + 8 ones** 7) **6 tens + 3 ones** 8) **65** 9) **49** 10) **27** 11) **53** 12) **29**

Final Worksheet 2 — Sums Mix

1) **77** 2) **44** 3) **58** 4) **89** 5) **88** 6) **78** 7) **77** 8) **74** 9) **62** 10) **31** 11) **53** 12) **30**

Final Worksheet 3 — World Mix

1) **₹16** 2) **₹12** 3) **₹11** 4) **₹20** 5) **3 o'clock** 6) **6 o'clock** 7) **5 o'clock** 8) **11 o'clock** 9) **86** 10) **93** 11) **80** 12) **100**

🌟 *Tick the right ones, star the page, and smile — mistakes help us learn!*

🎲 Game 1 — Race to 50!

How to play (2 players): Each player puts a coin on START (1). Take turns rolling a dice (or picking a card 1–3). Move forward that many squares and SAY the number you land on. Land on a ⭐ — jump ahead 2 more! First to reach 50 wins the race!

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	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

⭐ Star Squares

The blue squares (10, 20, 30, 40, 50) are star landings — shout the ten aloud when you land on one!

🏠 Finland Family Time

Play with family tonight. Teaching the game to Amma or Appa is the best revision of all!

🎲 Game 2 — The Little Shop Game

How to play: One child is the Shopkeeper, one is the Buyer. The Buyer picks a toy and reads its price tag. The Buyer pays with toy coins (₹1, ₹2, ₹5, ₹10). The Shopkeeper checks the total. Change roles and play again!

Toy	Price	Toy	Price
🎈 Balloon	₹5	🚗 Toy car	₹12
✏️ Pencil	₹3	🧸 Teddy	₹15
🍬 Candy	₹2	📕 Story book	₹10
🎾 Ball	₹7	🪁 Kite	₹8

🪙 Buyer Challenges

1. Buy the kite (₹8) using exactly 3 coins. 2. Buy the teddy (₹15) using exactly 2 coins. 3. Buy a ball and a candy — what is the total? (₹9)

📖 **Read with me:** I can buy with coins. I can add money!

🏆 My Certificate — UKG Complete!



CERTIFICATE OF ACHIEVEMENT

This is to say that

_____

has finished **Kalviyogi Mathematics — UKG**

Numbers to 100 • Addition • Subtraction • Shapes & Patterns

Measurement & Time • Money



You are a NUMBER STAR!

Teacher's sign: _____ Date: _____

✅ I Can Do It!

⭐ I can count and write to 100. ⭐ I know tens and ones. ⭐ I can add and take away to 20.
⭐ I can finish patterns. ⭐ I can read o'clock times. ⭐ I know ₹1, ₹2, ₹5 and ₹10 coins.

🎉 Next stop: CLASS 1 — Numbers to 200 and even bigger adventures!

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