Chapter 5: How Many?

CONTENTS 17 exercises · 62 questions

5.1	Tell How Many Altogether	4 Q
5.2	Add and Draw	2 Q
5.3	Let us Count	4 Q
5.4	Count and Write the Total Number of Fingers	5 Q
5.5	Let us Do — Dice Game (Kishore and Nitya)	1 Q
5.6	Beads and String	5 Q
5.7	Hop and Find the Sum	4 Q
5.8	Add in Your Own Way	4 Q
5.9	Let us Do — Number Pairs	2 Q
5.10	Project Work — Cards Summing to 9	1 Q
5.11	Addition Story	6 Q
5.12	Think and Do — Magic Triangle	1 Q
5.13	Let us Talk — Five Little Children (Rhyme)	6 Q
5.14	Let us Do — How Many Left? (Fill in the Blanks)	8 Q
5.15	Let us Do — Hidden Dots (Total 10)	1 Q
5.16	Hop Backwards — Subtraction on Number Strip	2 Q
5.17	Do the Subtraction in Your Own Way	6 Q

Exercise 5.1 — Tell How Many Altogether

Q1 4 children and 2 children altogether make ___ children. 4 + 2 = ___

SOLUTION

4 + 2 = 6

Q2 3 tops and 1 top altogether make ___ tops. 3 + 1 = ___

SOLUTION

3 + 1 = 4

Q3 3 ants and 2 ants altogether make ___ ants. 3 + 2 = ___

SOLUTION

3 + 2 = 5

Q4 4 pencils and 3 pencils altogether make ___ pencils. 4 + 3 = ___

SOLUTION

4 + 3 = 7

Exercise 5.2 — Add and Draw

Q1 6 balls and 2 balls altogether make ___ balls. 6 + 2 = ___

SOLUTION

6 + 2 = 8

Q2 7 + 1 = ___

SOLUTION

7 + 1 = 8

Exercise 5.3 — Let us Count

Q1 A. How many brothers and sisters do your parents have altogether?

SOLUTION

Count and add: (brothers of mother) + (sisters of mother) + (brothers of father) + (sisters of father). Write your own total.

Q2 B. How many family members do you and your friend have altogether?

SOLUTION

Count your family members and your friend's family members, then add them together to find the total.

Q3 C. How many fingers do you have in both your hands and feet?

SOLUTION

Hands: 5 fingers on each hand = 5 + 5 = 10 fingers. Feet: 5 toes on each foot = 5 + 5 = 10 toes. Total = 10 + 10 = 20.

Q4 D. How many numbers can you count on your fingers?

SOLUTION

You have 10 fingers, so you can count up to 10 on your fingers.

Exercise 5.4 — Count and Write the Total Number of Fingers

Q1 4 + 3 = ___

SOLUTION

4 + 3 = 7

Q2 3 + 2 = ___

SOLUTION

3 + 2 = 5

Q3 5 + 3 = ___

SOLUTION

5 + 3 = 8

Q4 4 + 0 = ___

SOLUTION

4 + 0 = 4. Adding zero to any number gives the same number.

Q5 4 + 4 = ___

SOLUTION

4 + 4 = 8

Exercise 5.5 — Let us Do — Dice Game (Kishore and Nitya)

Q1 Find how many times Kishore won and how many times Nitya won by comparing their dice scores in rounds A–E.

SOLUTION

Round A (printed): Kishore 5+1=6, Nitya 4+1=5 → Kishore wins (✓ already shown). Round B: Kishore 2+3=5, Nitya 1+4=5 → Tie. Round C: Kishore 1+4=5, Nitya 3+3=6 → Nitya wins. Round D: Kishore 3+1=4, Nitya 2+2=4 → Tie. Round E: Kishore 4+3=7, Nitya 4+2=6 → Kishore wins. Final: Kishore wins 2 rounds (A, E); Nitya wins 1 round (C); 2 ties (B, D).

Exercise 5.6 — Beads and String

Q1 A. Colour the beads and find the total: 3 + 4 = ___

SOLUTION

3 + 4 = 7. Colour 3 beads one colour and 4 beads another colour.

Q2 B. Colour the beads and find the total: 4 + 2 = ___

SOLUTION

4 + 2 = 6

Q3 C. Colour the beads and find the total: 5 + 4 = ___

SOLUTION

5 + 4 = 9

Q4 D. Colour the beads and find the total: 2 + 7 = ___

SOLUTION

2 + 7 = 9

Q5 E. Colour the beads and find the total: 7 + 3 = ___

SOLUTION

7 + 3 = 10

Exercise 5.7 — Hop and Find the Sum

Q1 Hop and colour the strip: 4 + 2 = ___

SOLUTION

Start at 4 on the number strip. Hop 2 steps forward. Land on 6. 4 + 2 = 6.

Q2 Hop and colour the strip: 3 + 2 = ___

SOLUTION

Start at 3. Hop 2 steps forward. Land on 5. 3 + 2 = 5.

Q3 Hop and colour the strip: 5 + 3 = ___

SOLUTION

Start at 5. Hop 3 steps forward. Land on 8. 5 + 3 = 8.

Q4 Hop and colour the strip: 6 + 3 = ___

SOLUTION

Start at 6. Hop 3 steps forward. Land on 9. 6 + 3 = 9.

Exercise 5.8 — Add in Your Own Way

Q1 2 + 3 = ___

SOLUTION

2 + 3 = 5

Q2 5 + 1 = ___

SOLUTION

5 + 1 = 6

Q3 3 + 3 = ___

SOLUTION

3 + 3 = 6

Q4 9 + 1 = ___

SOLUTION

9 + 1 = 10

Exercise 5.9 — Let us Do — Number Pairs

Q1 A. Fill up the number pairs that make 8: 7+1, 5+3, 1+7, 2+6, 3+5 all equal ___ and pairs that make 7: 6+1, 5+2, 1+6, 3+? all equal 7.

SOLUTION

Numbers that make 8: 7+1=8, 5+3=8, 1+7=8, 2+6=8, 3+5=8.
Numbers that make 7: 6+1=7, 5+2=7, 1+6=7.
Numbers that make 9: 1+8=9, 3+6=9, 2+7=9.

Q2 B. Add and match the following: 1+4, 4+2, 6+3, 3+4, 5+2, 3+2, 0+6, 5+4 with the answers 5, 6, 7, 9.

SOLUTION

1+4 = 5 → matches 5
4+2 = 6 → matches 6
6+3 = 9 → matches 9
3+4 = 7 → matches 7
5+2 = 7 → matches 7
3+2 = 5 → matches 5
0+6 = 6 → matches 6
5+4 = 9 → matches 9

Exercise 5.10 — Project Work — Cards Summing to 9

Q1 Take cards numbered 0 to 9. Arrange two cards so their sum is 9. Find all the ways.

SOLUTION

0 + 9 = 9
1 + 8 = 9
2 + 7 = 9
3 + 6 = 9
4 + 5 = 9
5 + 4 = 9
6 + 3 = 9
7 + 2 = 9
8 + 1 = 9
9 + 0 = 9

There are 10 ways (or 5 unique pairs) to make 9.

Exercise 5.11 — Addition Story

Q1 A. Raghav has 4 shells and Sarita has 5 shells. How many shells do they have altogether?

SOLUTION

4 + 5 = 9. They have 9 shells altogether.

Q2 B. Ranjeet has 3 marbles and Meenakshi has 6 marbles. How many marbles do they have in total?

SOLUTION

3 + 6 = 9. They have 9 marbles in total.

Q3 C. There are 3 coconuts in one bag. There are 4 coconuts in another bag. How many coconuts are there in all?

SOLUTION

3 + 4 = 7. There are 7 coconuts in all.

Q4 Let us see what we have in our bags. A. I have ___ books in my bag and my friend has ___ books. We both have ___ books in all.

SOLUTION

Count your books and your friend's books, then add them. Write your own numbers.

Q5 B. I have ___ pencils and my friend has ___ pencils. We have ___ pencils altogether.

SOLUTION

Count your pencils and your friend's pencils, then add them. Write your own numbers.

Q6 C. I have ___ notebooks and my friend has ___ notebooks. We have ___ notebooks in total.

SOLUTION

Count your notebooks and your friend's notebooks, then add them. Write your own numbers.

Exercise 5.12 — Think and Do — Magic Triangle

Q1 Write numbers 1, 2 and 3 in the triangle so that each side adds up to 6. One way is shown (3 at top, 2 at bottom-left, 1 at bottom-right). Find other ways.

SOLUTION

The figure shows one arrangement: 3 at top, 2 at left, 1 at right. Each side of the triangle = 3+2+1 = 6 (all three corners). Since 1+2+3=6, any arrangement of 1, 2, 3 at the corners makes every side sum to 6. The book shows one example; children can place the numbers in any order.

Exercise 5.13 — Let us Talk — Five Little Children (Rhyme)

Q1 A. How many children are there in the bus at the beginning?

SOLUTION

The rhyme starts with 'Five little children', so there are 5 children at the beginning.

Q2 B. How many children get down from the bus on the first stand?

SOLUTION

At the first stand, 1 child steps out. So 1 child gets down.

Q3 C. How many children are left in the bus after the first stop?

SOLUTION

5 − 1 = 4. Four children are left after the first stop.

Q4 D. How many children are left after the second stand?

SOLUTION

4 − 1 = 3. Three children are left after the second stand.

Q5 Answer for third, fourth and fifth stand: how many children are left each time?

SOLUTION

After third stand: 3 − 1 = 2 children left.
After fourth stand: 2 − 1 = 1 child left.
After fifth stand: 1 − 1 = 0 children left.

Q6 E. How many children are left in the bus at the end?

SOLUTION

0. No children are left at the end — 'Now there are none!'

Exercise 5.14 — Let us Do — How Many Left? (Fill in the Blanks)

Q1 A(i). 6 frogs, 2 jumped away. 6 − 2 = ___ . ___ left.

SOLUTION

The figure shows 6 frogs on the island, 2 jumping away into the water, and 4 remaining. 6 − 2 = 4. 4 frogs are left.

Q2 A(ii). 7 balloons, ___ flew away, 5 left. 7 − 2 = ___.

SOLUTION

7 − 5 = 2 flew away. 7 − 2 = 5. So 2 flew away and 5 are left.

Q3 A(iii). 9 bananas, 6 took away. 9 − 6 = ___ . ___ left.

SOLUTION

The figure shows 9 bananas on the tree, an elephant taking 6 away, and 3 bananas remaining on the bare tree. 9 − 6 = 3. 3 bananas are left.

Q4 B(i). Draw the pots that are left: ___ pots, ___ pot broke, ___ left. 3 − ___ = ___.

SOLUTION

The figure shows 3 pots in the first picture, 1 pot broken in the second picture, and an empty island in the third (draw 2 pots). 3 − 1 = 2. 2 pots are left.

Q5 B(ii). 7 ladoos, 4 eaten, ___ left. 7 − 4 = ___.

SOLUTION

7 − 4 = 3. 3 ladoos are left.

Q6 B(iii). 7 balls, ___ took away, ___ left. 7 − ___ = ___.

SOLUTION

The figure shows 7 balls on the left, 3 children each carrying 1 ball away in the middle, and a nearly empty patch on the right. 7 − 3 = 4. 4 balls are left.

Q7 C(i). Manisha has 9 bananas. She ate 3 bananas. How many bananas are left?

SOLUTION

9 − 3 = 6. Manisha has 6 bananas left.

Q8 C(ii). There are 8 butterflies on the flowers. 5 butterflies flew away. How many butterflies are left?

SOLUTION

8 − 5 = 3. 3 butterflies are left.

Exercise 5.15 — Let us Do — Hidden Dots (Total 10)

Q1 Total dots = 10. Fill in the hidden and visible dots table: if hidden = 0, visible = ___; if hidden = 1, visible = ___; ... if hidden = 10, visible = ___.

SOLUTION

Total is always 10. Visible = 10 − Hidden.

Hidden 0 → Visible 10
Hidden 1 → Visible 9
Hidden 2 → Visible 8
Hidden 3 → Visible 7
Hidden 4 → Visible 6
Hidden 5 → Visible 5
Hidden 6 → Visible 4
Hidden 7 → Visible 3
Hidden 8 → Visible 2
Hidden 9 → Visible 1
Hidden 10 → Visible 0

Exercise 5.16 — Hop Backwards — Subtraction on Number Strip

Q1 A. Jump 3 steps back from 9. 9 − 3 = ___

SOLUTION

9 − 3 = 6. Start at 9, hop back 3 steps: 9 → 8 → 7 → 6.

Q2 B. Jump 4 steps back from 7. 7 − 4 = ___

SOLUTION

7 − 4 = 3. Start at 7, hop back 4 steps: 7 → 6 → 5 → 4 → 3.

Exercise 5.17 — Do the Subtraction in Your Own Way

Q1 A. 8 − 2 = ___

SOLUTION

8 − 2 = 6

Q2 B. 7 − 3 = ___

SOLUTION

7 − 3 = 4

Q3 C. 9 − 5 = ___

SOLUTION

9 − 5 = 4

Q4 D. 6 − 3 = ___

SOLUTION

6 − 3 = 3

Q5 E. 5 − 1 = ___

SOLUTION

5 − 1 = 4

Q6 F. 4 − 2 = ___

SOLUTION

4 − 2 = 2