ANSWERS

Chapter 6 WAYS TO MAKE AND BREAK NUMBERS TO 10

Exercise 6A Ways to Make and Break Numbers to 5 (1)

1. **(a)** 1 and 2 make 3.

(b) 2 and 1 make 3.

(c) 3 and 0 make 3.

2. **(a)**

1 and 2 make 3.

(b)

2 and 1 make 3.

(c)

3 and 0 make 3.

Exercise 6A Ways to Make and Break Numbers to 5 (2)

1. **(a)** 1 and 3 make 4.

(b) 2 and 2 make 4.

(c) 0 and 4 make 4.

2. Accept any three of the following:

0 and 4 make 4.
1 and 3 make 4.
2 and 2 make 4.
3 and 1 make 4.
4 and 0 make 4.

Numbers in the blanks to follow the number of colored ☺.

3. **(a)** 4 and 1 make 5.

(b) 5 and 0 make 5.

(c) 3 and 2 make 5.

4. Accept any three of the following:

0 and 5 make 5.
1 and 4 make 5.
2 and 3 make 5.
3 and 2 make 5.
4 and 1 make 5.
5 and 0 make 5.

Numbers in the blanks to follow the number of colored  .

Exercise 6B Ways to Make and Break Numbers to 10 (1)

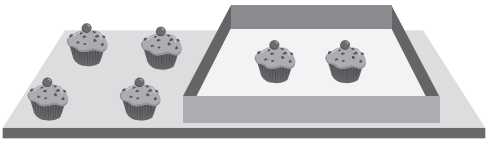
1. **(a)** 1 and 5 make 6.

(b) 2 and 4 make 6.

(c) 3 and 3 make 6.

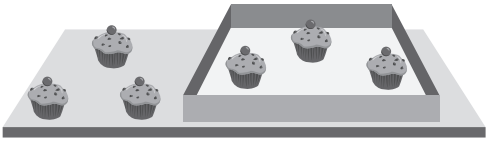
2. 1 and 5 make 6.

3. **(a)**



4 and 2 make 6.

(b)



3 and 3 make 6.

4. 6 and 1 make 7.

5. **(a)**

5 and 2 make 7.

(b)

3 and 4 make 7.

6. Accept any three of the following:

7 is 0 and 7.
7 is 1 and 6.
7 is 2 and 5.
7 is 3 and 4.
7 is 4 and 3.
7 is 5 and 2.
7 is 6 and 1.
7 is 7 and 0.

Numbers in the blanks to follow the number of colored  .

Exercise 6B Ways to Make and Break Numbers to 10 (2)

1. **(a)** 5 and 3 make 8.

(b) 4 and 4 make 8.

(c) 2 and 6 make 8.

2. Accept any three of the following:

8 is 0 and 8.
8 is 1 and 7.
8 is 2 and 6.
8 is 3 and 5.
8 is 4 and 4.
8 is 5 and 3.
8 is 6 and 2.
8 is 7 and 1.
8 is 8 and 0.

Numbers in the blanks to follow the number of colored  .

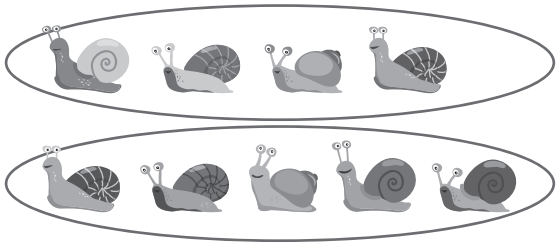
3. **(a)** 8 and 1 make 9.

(b) 7 and 2 make 9.

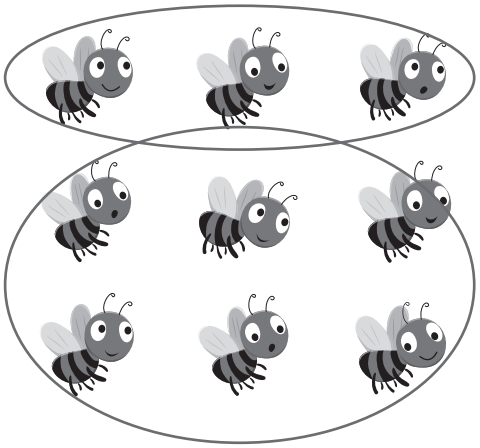
(c) 6 and 3 make 9.

(d) 5 and 4 make 9.

4. **(a)** 9 is 4 and 5.

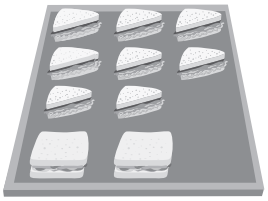


(b) 9 is 6 and 3.



Exercise 6B Ways to Make and Break Numbers to 10 (3)

1. **(a)**



8 and 2 make 10.
7 and 3 make 10.
2 and 8 make 10.

(b)

6 and 4 make 10.
5 and 5 make 10.
4 and 6 make 10.

2. Accept any three of the following:

10 is 0 and 10.
10 is 1 and 9.
10 is 2 and 8.
10 is 3 and 7.
10 is 4 and 6.
10 is 5 and 5.
10 is 6 and 4.
10 is 7 and 3.
10 is 8 and 2.
10 is 9 and 1.
10 is 10 and 0.

Numbers in the blanks to follow the number of colored boxes on the strip.

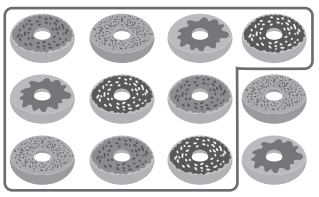
Chapter 7 NUMBERS TO 20

Exercise 7A Count and Write (1)

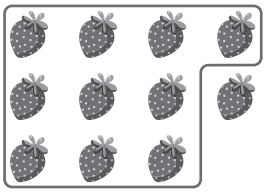
1. **(a)** 11

(b) 12

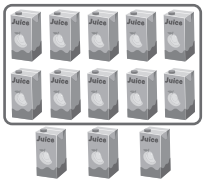
(c) 13

2. **(a)** 

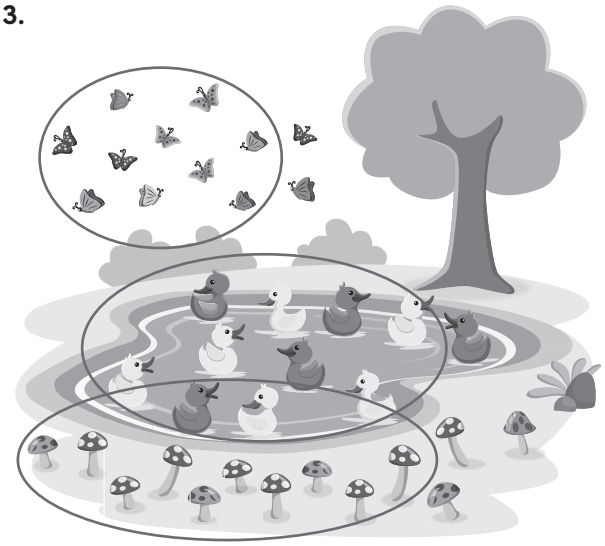
12
twelve

(b) 

11
eleven

(c) 

13
thirteen

3. 

butterflies 12

ducks 11

mushrooms 13

4. Accept all correct answers.
The total number of leaves must be the same as the number colored.

Exercise 7A Count and Write (2)

1. **(a)** 14

(b) 15

(c) 16

2. **(a)** 16
sixteen

(b)

15

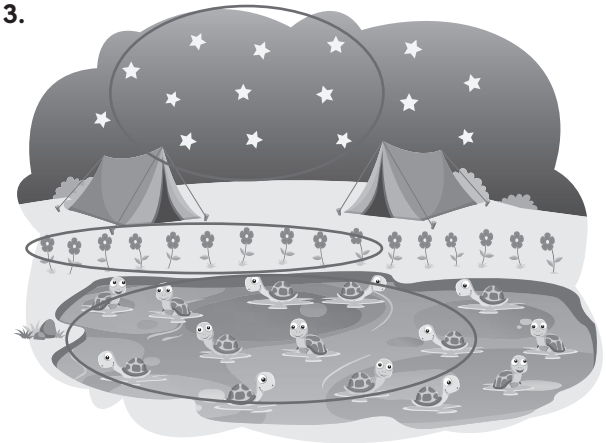
fifteen

(c)

14

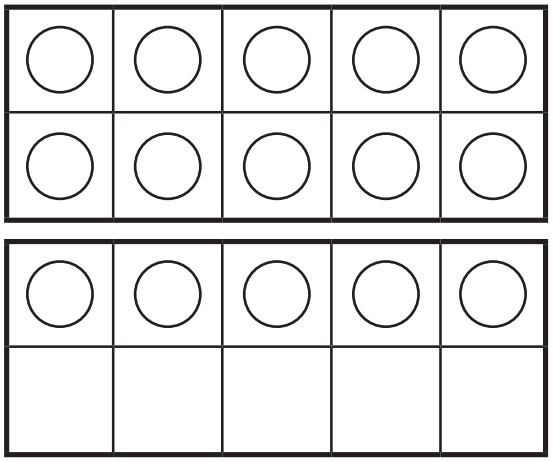
fourteen

3.



tortoises	14	flowers	16
stars	15		

4.



10 and 5 make 15.

Exercise 7A Count and Write (3)

1. (a)

17

seventeen

10 and 7 make 17.

(b)

18

eighteen

10 and 8 make 18.

(c)

19

nineteen

10 and 9 make 19.

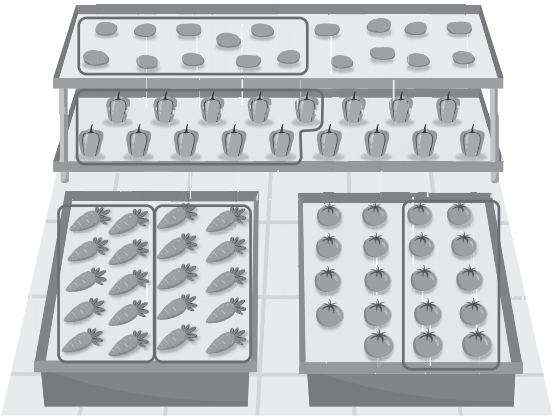
(d)

20

twenty

10 and 10 make 20.

2.



carrots	20
tomatoes	19
potatoes	18
peppers	17

3. Accept all correct answers.
The total number of hearts must be the same as the number colored.

Exercise 7B How Many?

1. **(a)** 13

(b) 14

(c) 17

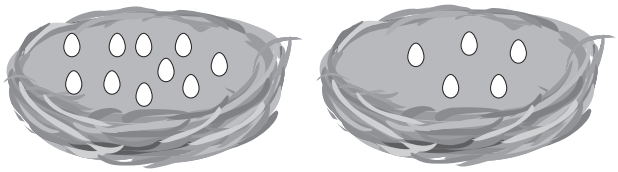
(d) 16

(e) 20

(f) 18

(g) 19

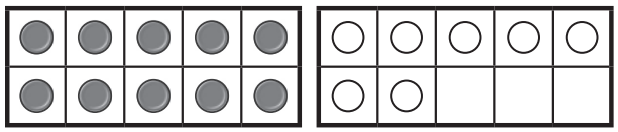
2. Answers vary. Example



Exercise 7C Take Apart Numbers

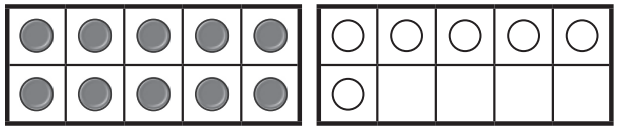
1. 14 is 10 and 4.
15 is 10 and 5.

2. **(a)**



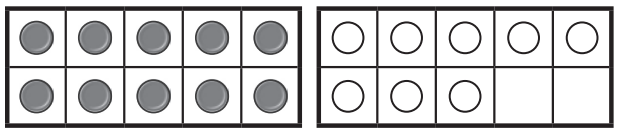
17 is 10 and 7.

(b)



16 is 10 and 6.

(c)

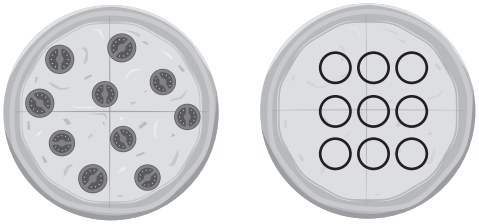


18 is 10 and 8.

3. **(a)** 12 is 10 and 2.

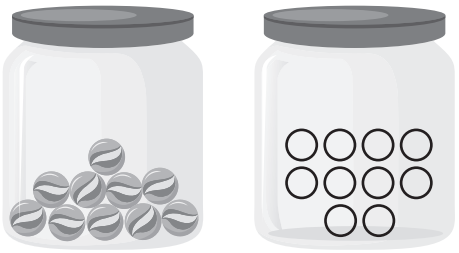
(b) 13 is 10 and 3.

4. **(a)**



19 is 10 and 9.

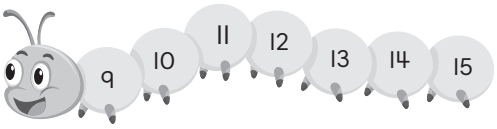
(b)



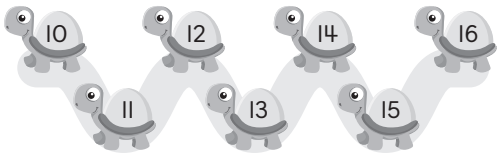
20 is 10 and 10.

Exercise 7D Count and Order

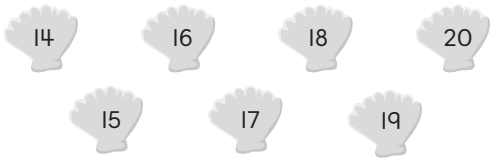
1. **(a)**



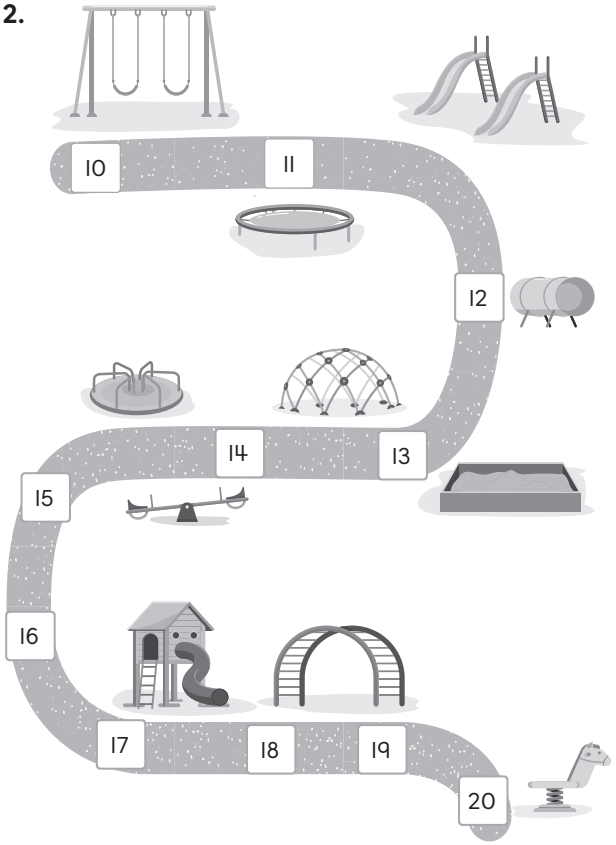
(b)



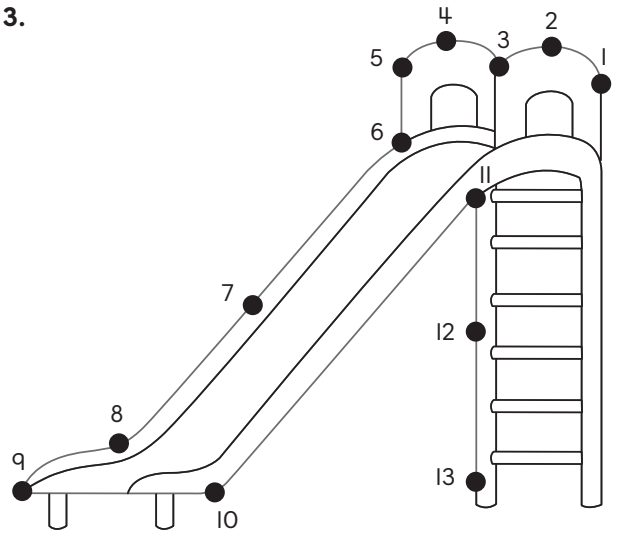
(c)



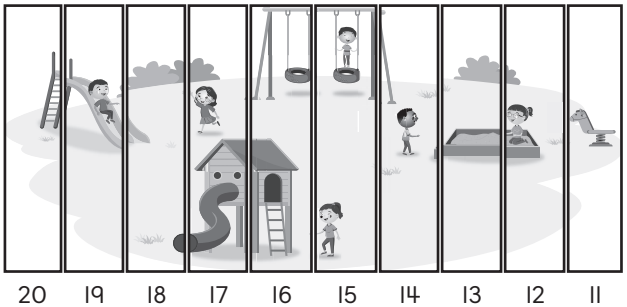
2.



3.



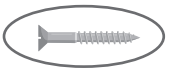
4.



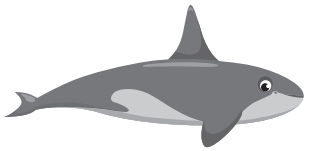
Chapter 8 MEASUREMENT

Exercise 8A Length

1. **(a)**

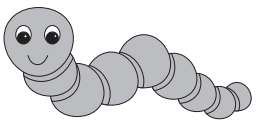


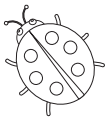
(b)



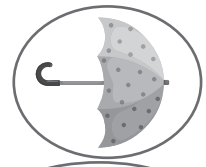
2. **(a)**

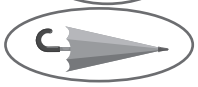
(b)





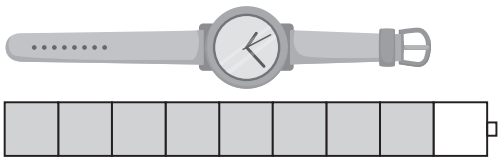
3.



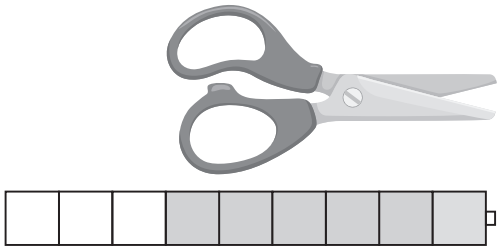


4. **(a)** 8 **(b)** 5 **(c)** 9

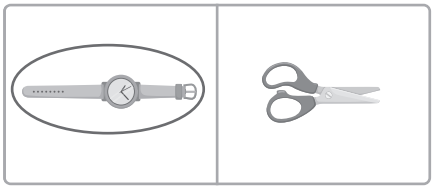
5. **(a)**



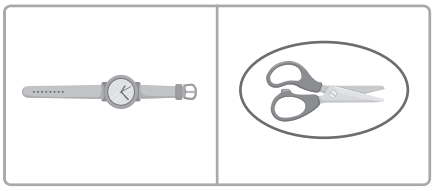
(b)



(c) Which is longer?



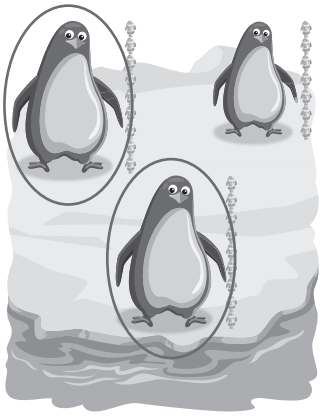
Which is shorter?



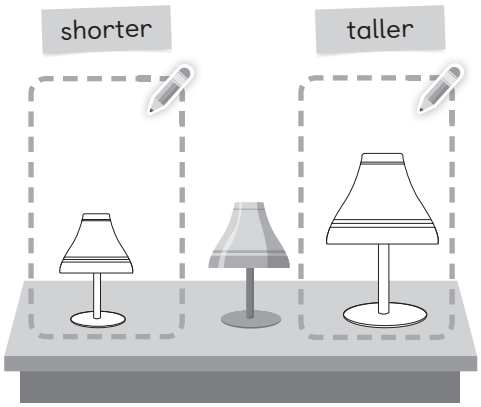
Exercise 8B Height

1.

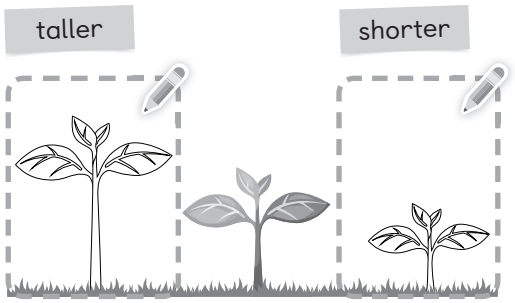
2.



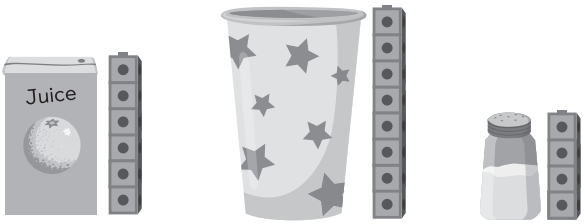
3. **(a)**



(b)



4.

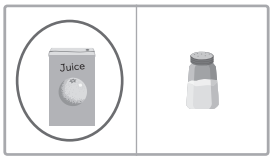


(a) The  is about 6  tall.

The  is about 8  tall.

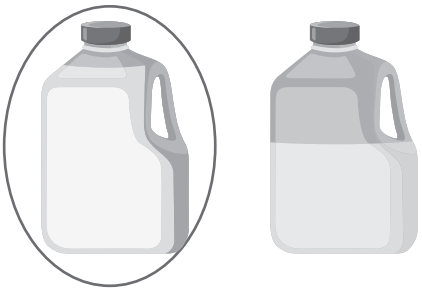
The  is about 4  tall.

(b)

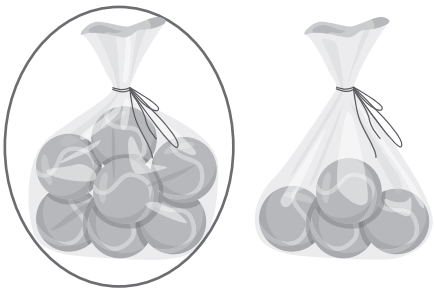


Exercise 8C Weight

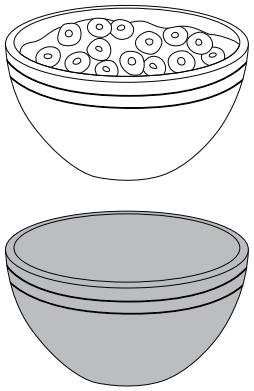
1. **(a)**



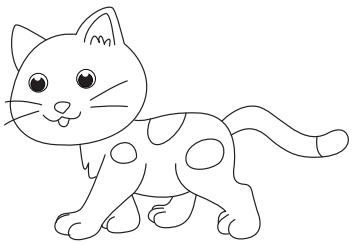
(b)

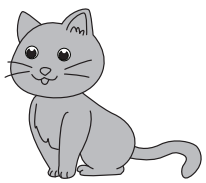


2. **(a)**

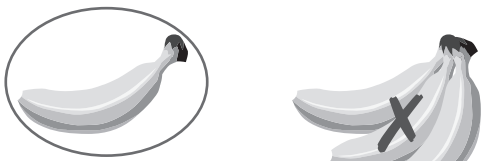


(b)

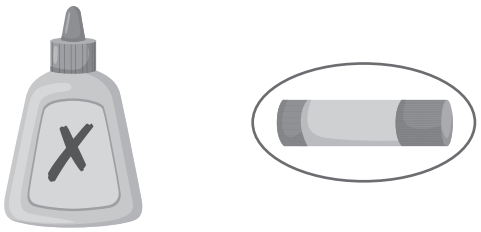




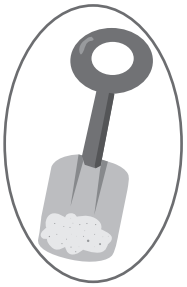
3. **(a)**



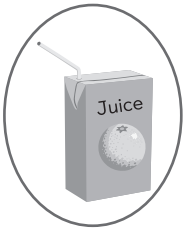
(b)



(c)



(d)



4. Accept all correct answers.

5. **(a)** true **(b)** false

Chapter 9 ADDITION

Exercise 9A Addition Stories (1)

1. **(a)** 2  are on the  .

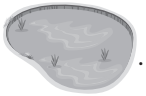
2  are not on the  .

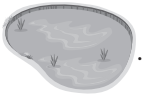
There are 4  in all.

(b) 2  are wearing  .

3  are not wearing  .

There are 5  in all.

(c) 1  is in the  .

4  are not in the  .

There are 5  in all.

(d) 3  are on the  .

3  are not on the  .

There are 6  in all.

2. **(a)** 2 and 5 make 7.

There are 7  in all.

(b) 3 and 6 make 9.

There are 9  in all.

3. **(a)** Accept any one of the following:

8 and 0 make 8.
7 and 1 make 8.
6 and 2 make 8.
5 and 3 make 8.
4 and 4 make 8.
3 and 5 make 8.
2 and 6 make 8.
1 and 7 make 8.
0 and 8 make 8.

There are 8  in all.

(b) Accept any one of the following:

6 and 0 make 6.
5 and 1 make 6.
4 and 2 make 6.
3 and 3 make 6.
2 and 4 make 6.
1 and 5 make 6.
0 and 6 make 6.

There are 6  in all.

Exercise 9A Addition Stories (2)

1. **(a)** There are 3  on the ice.

1  joins them.

There are 4  in all.

(b) There are 3  in the water.

2  join them.

There are 5  in all.

2. (a) 2 and 4 make 6.

There are 6  in all.

(b) 5 and 3 make 8.

There are 8  in all.

(c) 7 and 1 make 8.

There are 8  in all.

(d) 7 and 2 make 9.

There are 9 puzzle pieces in all.

3. Accept all correct answers.
The answers must reflect the number of balloons drawn.
Example:

1 and 7 make 8.

There are 8 balloons in all.

Exercise 9B Add Fluently Within 5

1. (a) 1 and 2 make 3.
1 + 2 = 3

(b) 2 and 3 make 5.
2 + 3 = 5

2. (a) 2 + 2 = 4

(b) 3 + 2 = 5

3. (a) 4 + 1 = 5

(b) 3 + 2 = 5

(c) 2 + 3 = 5

(d) 5 + 0 = 5

4. The addition sentence should reflect the coloring of the dots.
Accept any two of the following:
0 + 5 = 5
1 + 4 = 5
2 + 3 = 5
3 + 2 = 5
4 + 1 = 5
5 + 0 = 5

Exercise 9C Add Within 10

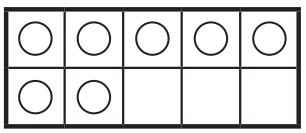
1. (a) 5 and 1 make 6.
5 + 1 = 6
There are 6 books in all.

(b) 4 + 3 = 7
There are 7 bats in all.

2. (a) 6 + 2 = 8

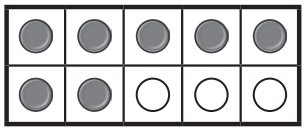
(b) 4 + 5 = 9

3.



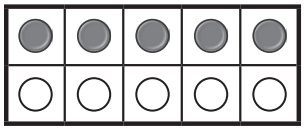
3 + 4 = 7
There are 7 children in all.

4. (a)



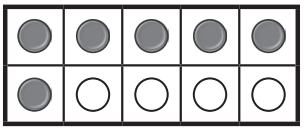
7 + 3 = 10

(b)



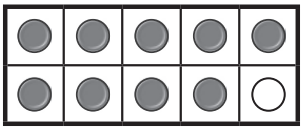
5 + 5 = 10

(c)



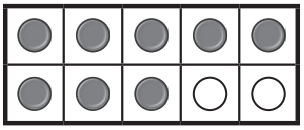
6 + 4 = 10

(d)



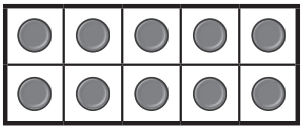
9 + 1 = 10

(e)



8 + 2 = 10

(f)



10 + 0 = 10

Chapter 10 SUBTRACTION

Exercise 10A Subtraction Stories (1)

1. **(a)** There are 4  in all.

2  swing away.

2  are left.

(b) There are 5  in all.

2  walk away.

3  are left.

(c) There are 6  in all.

2  fly away.

4  are left.

(d) There are 7  in all.

4  swim away.

3  are left.

2. 6 take away 2 is 4.

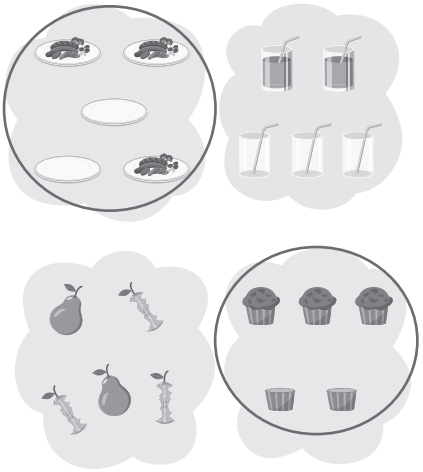
There are 4  left.

3. Accept all correct answers. The numbers written must reflect the number of sandcastles taken away.
Example:

4 take away 2 is 2.

There is/are 2  left.

4.



Exercise 10A Subtraction Stories (2)

1. **(a)** There are 4  in all.

1 is in the  .

3 are not in the  .

(b) There are 5  in all.

2 are eating.

3 are not eating.

(c) There are 6  in all.

1 is drinking water.

5 are not drinking water.

(d) There are 7  in all.

3 are big.

4 are small.

2. **(a)** Take 7 apart to show 4 and 3.

(b) Take 7 apart to show 5 and 2.

3. Accept all correct answers.
The numbers in the blanks to follow the number of colored circles.

Exercise 10B Subtract Fluently Within 5

1. **(a)** 2 **(b)** 3 **(c)** 4

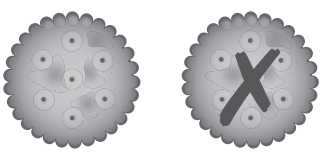
2. **(a)** 5 − 2 = 3

(b) 4 − 3 = 1

(c) 3 − 1 = 2

(d) 5 − 5 = 0

3. **(a)** 2 − 1 = 1



(b) 4 − 2 = 2

(c) 3 − 0 = 3

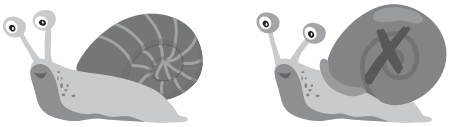
(d) 5 − 3 = 2

4. **(a)** 5 − 4 = 1

(b) 4 − 3 = 1

(c) 3 − 2 = 1

(d) 2 − 1 = 1

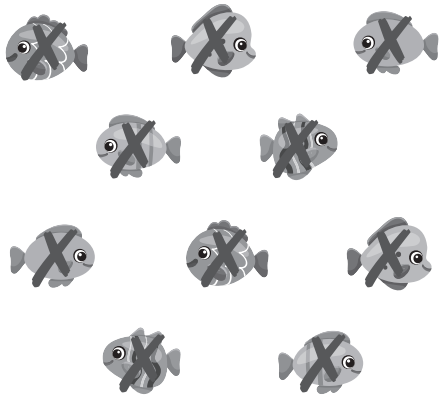


Exercise 10C Subtract Within 10

1. **(a)** 10 take away 4 is 6.

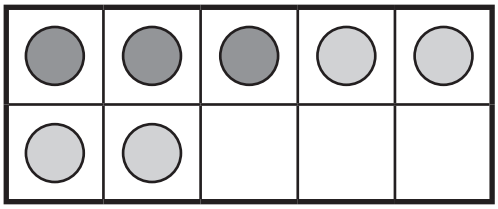
10 − 4 = 6

(b) 10 take away 10 is 0.



10 − 10 = 0

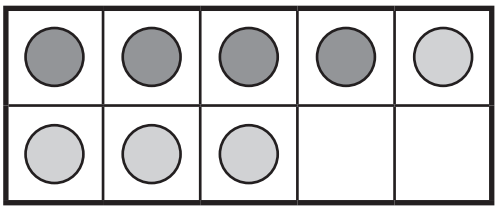
2. **(a)**



Take 7 apart to show 3 and 4.

7 − 3 = 4

(b)



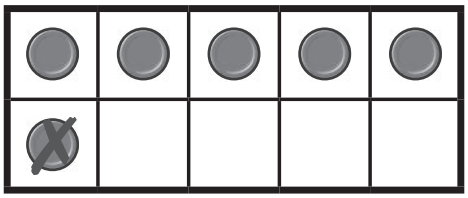
Take 8 apart to show 4 and 4.

8 − 4 = 4

3. 6 − 3 = 3.

3 cats do not have  .

4.



6 − 1 = 5

5 cats are left.

5. **(a)** 9 − 2 = 7

7 are left.

(b) 8 − 3 = 5

5  are left.

Chapter II ADDITION AND SUBTRACTION

Exercise IIA Add or Subtract

1. **(a)** Take 8 apart to show 2 and 6.

8 − 2 = 6

There are 6  .

(b) 3 and 4 make 7.

3 + 4 = 7

There are 7 children in all.

2. **(a)** 6 − 2 = 4

There are 4 books left.

(b) 10 − 5 = 5.

There are 5 flowers left.

(c) 3 + 6 = 9

There are 9 children in all.

(d) 10 − 3 = 7

There are 7 bubbles left.

(e) 4 + 4 = 8

There are 8 bags in all.

(f) 7 + 2 = 9

There are 9 presents in all.

Exercise IIB Word Problems

1. **(a)** 3 + 2 = 5

There are 5 children in all.

(b) 3 + 3 = 6

There are 6 children in all.

2. **(a)** 7 − 2 = 5

There are 5  left.

(b) 9 − 6 = 3.

3 are left above the ground.

3. **(a)** 9 − 4 = 5

5 bowls do not have  .

(b) 7 + 0 = 7 or

0 + 7 = 7

There are 7  in all.

(c) 6 + 2 = 8

There are 8  in all.

(d) 8 − 5 = 3

3  are left.

Chapter 12 NUMBERS TO 100

Exercise 12A Count (1)

1. **(a)** 10 **(b)** 20 **(c)** 30

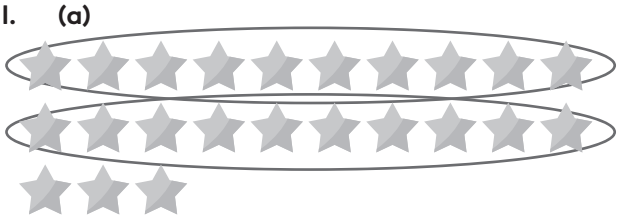
(d) 40 **(e)** 20 **(f)** 40

(g) 30 **(h)** 10

2. Accept all correct answers.

Exercise 12A Count (2)

1. **(a)**



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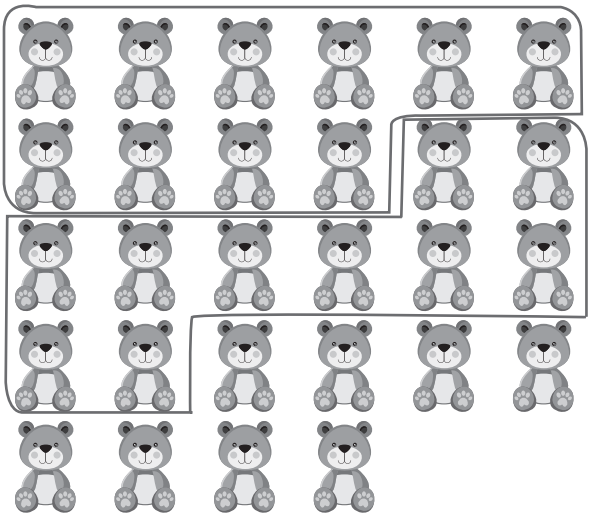
(b)



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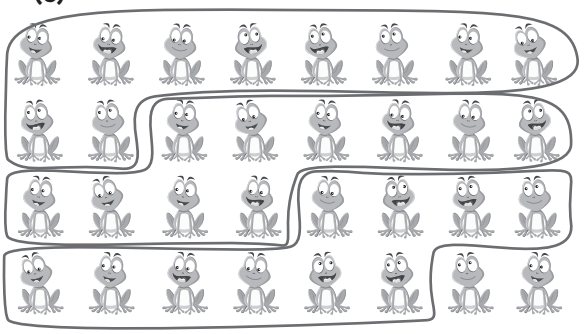
(c)



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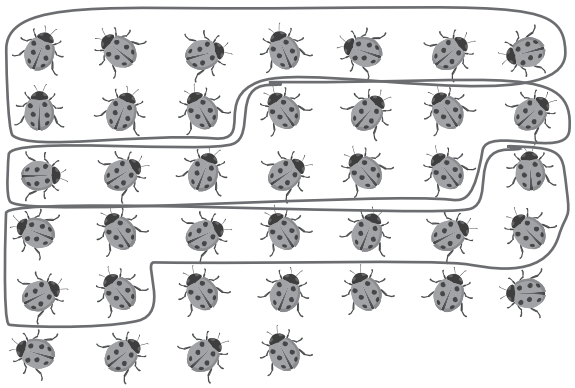
(d)



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2. Accept all correct answers.
The total number of grapes must be the same as the number colored.

3. Accept all correct answers.
The total number of oranges shown must be the same as the number colored.

Exercise 12A Count (3)

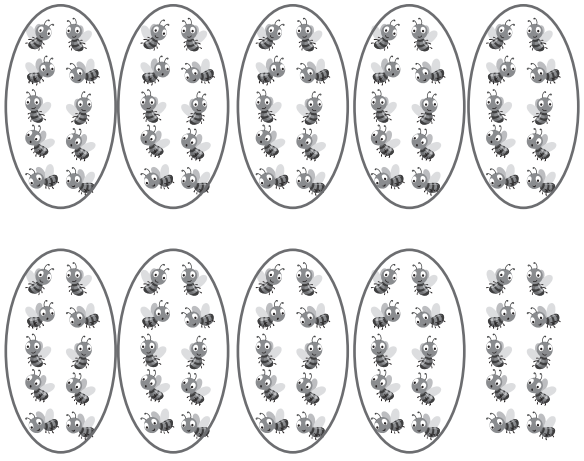
1. **(a)** 18 **(b)** 29 **(c)** 26 **(d)** 33

2. **(a)** 15 **(b)** 26 **(c)** 40 **(d)** 34

Exercise 12A Count (4)

1. **(a)** 60 **(b)** 50 **(c)** 80
(d) 70 **(e)** 100

2.



Exercise 12A Count (5)

1. **(a)** 43 **(b)** 56 **(c)** 65
(d) 78 **(e)** 87 **(f)** 96

Exercise 12A Count (6)

1. **(a)** 48 **(b)** 59 **(c)** 70 **(d)** 82

2. **(a)** 55 **(b)** 79 **(c)** 91 **(d)** 100

Exercise 12B Number Patterns

1. **(a)** 16 is 1 more than 15.
14 is 1 less than 15.

(b) 27 is 1 more than 26.
25 is 1 less than 26.

(c) 1 less than 22 is 21.
1 more than 22 is 23.

(d) 1 less than 28 is 27.
1 more than 28 is 29.

2. **(a)** 8 9 10 11 12 13

(b) 15 16 17 18 19 20 21

(c) 20 19 18 17 16 15

3. **(a)** 60 **(b)** 50

4.