

Chapter 5, Section E:- Introduction - Subtract within 20
booklet p.89

Date: _____



Subtract by counting back,
taking away and by finding
difference.

Subtract by counting back

There are 7 rabbits. 3 of them hop away.

1. How many rabbits are **left?**



Count back from 7.

4 , 5 , 6 , 7

4 rabbits are left.

I can count back
to **subtract**. When
you count back, the
numbers get smaller.



2. There are 9 frogs on the leaf.

booklet p.89

4 of them jump off.

How many frogs are left?

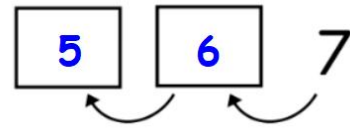
5 , 6 , 7 , 8 , 9

5 frogs are left.



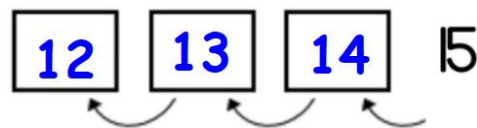
3. **Count back.** Write the missing numbers.

booklet p.90



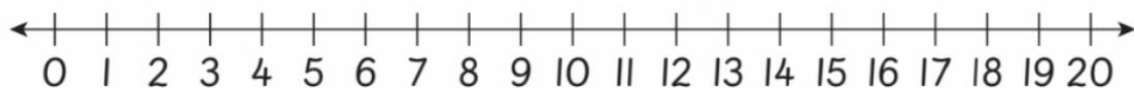
There are 5 biscuits left.

b)



There are 12 balloons left

4. **Subtract.** Use the **number line** to help you.



a) $11 - 5 =$ 6

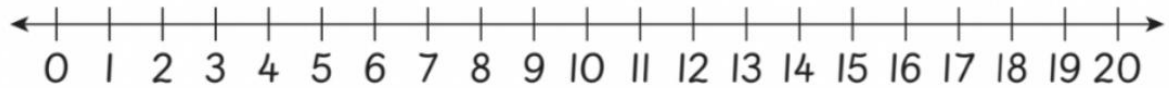
b) $20 - 2 =$ 18

c) $12 - 3 =$ 9

d) $17 - 4 =$ 13

5. Subtract. Use the number line to help you.

booklet p.91



a) $14 - 6 = \underline{8}$

b) $19 - 4 = \underline{15}$

c) $13 - 0 = \underline{13}$

d) $10 - 7 = \underline{3}$

6.

booklet p.91



Alexis has 15 colouring pencils. 3 colouring pencils break.

How many colouring pencils are left with Alexis?

Subtraction sentence: $\underline{15 - 3 = 12}$

$\underline{12}$ colouring pencils are left.

7. Tina buys a bag of blue and green beads. The bag has 20 beads.

Tina counts 9 green beads. How many blue beads are in the bag?

Number sentence: 20 - 9 = 11

There are 11 blue beads in the bag.

8. Tick ✓ the correct box. Use a number line. booklet p.92



sentence	true	false
$7 + 2$ is the same as $15 - 6$	✓	
$13 - 2$ is the same as $16 - 4$		✓
$12 + 3$ is the same as $17 - 2$	✓	

Subtract by taking away

booklet p.93

1. There are 4 books.
Subtract 2 books from 4 books.

$$4 - 2 = \underline{2}$$



There are 2
books left.

Subtract means take away. You can cross out the 2 books to show that they are taken away.



2. Take away 2 pears from 7 pears.

How many pears are **left**?



$$\underline{7} - \underline{2} = \underline{5}$$

5 pears are left.

3. Gary has 12 stamps. He gives away 3 stamps.

How many stamps has he **left**?



$$\underline{12} - \underline{3} = \underline{9}$$

He has 9 stamps left.

4. Write the missing numbers.

booklet p.94

a)



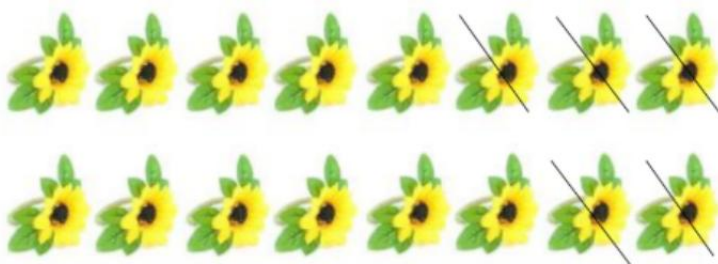
$$8 - 3 = \underline{5}$$

b)



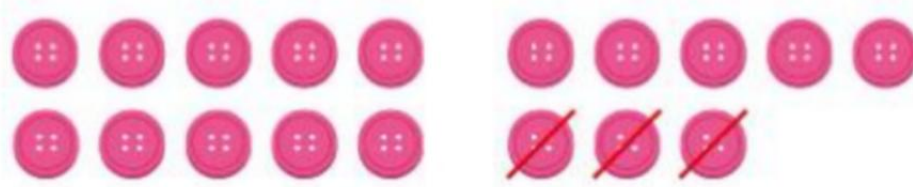
$$13 - \underline{4} = \underline{9}$$

c)



$$\underline{16} - 5 = \underline{11}$$

d)



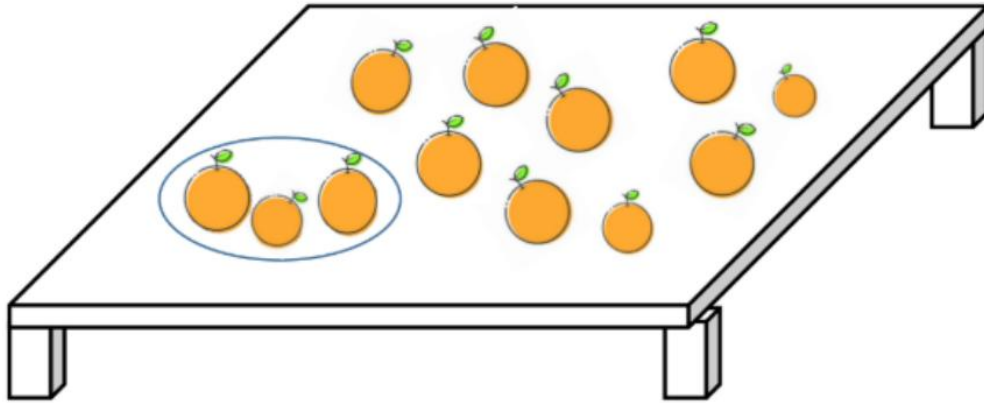
$$\underline{18} - \underline{3} = 15$$

5. There are 12 oranges on the table.

booklet p.95

David puts 3 oranges on a plate.

How many oranges are left on the table?



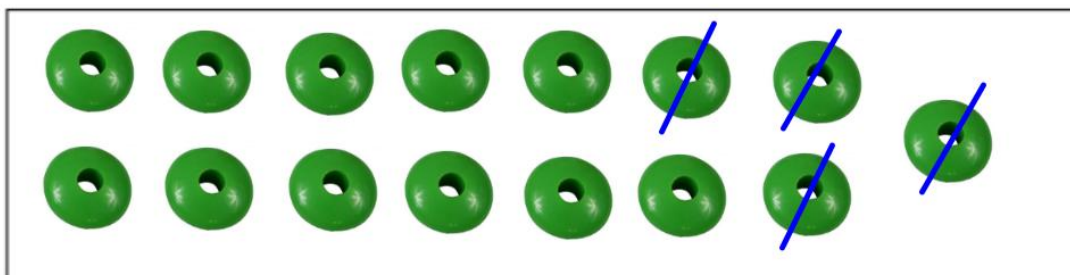
$$\underline{12} - \underline{3} = \underline{9}$$

9 oranges are left on the table.

6. Jane has 15 beads. She gives away 4 beads.

How many beads are left? 11

Draw to show your answer.

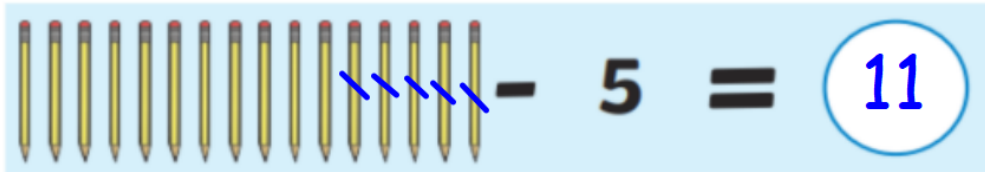


$$\underline{15} - \underline{4} = \underline{11}$$

7. Write the answer in the circle.

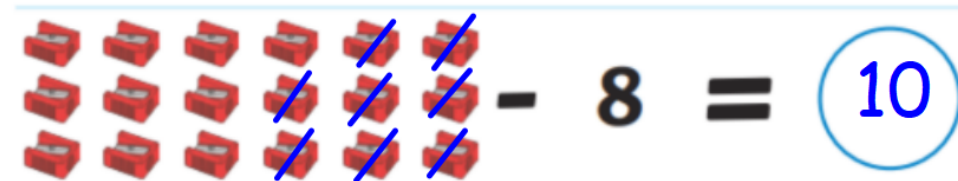
booklet p.96

a)



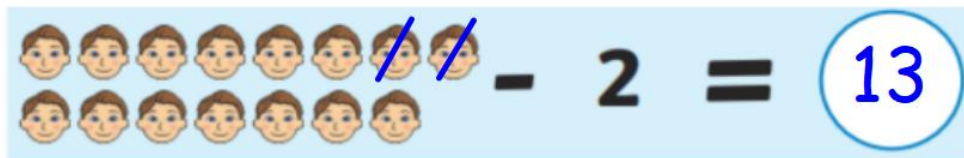
$$\underline{16} - 5 = \underline{11}$$

b)



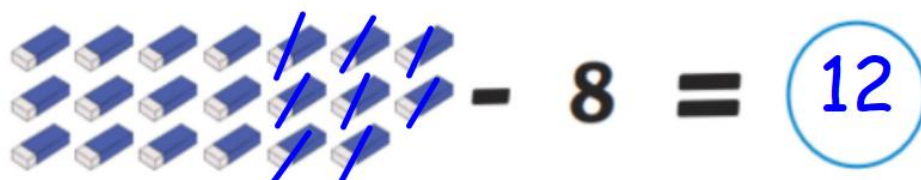
$$\underline{18} - 8 = \underline{10}$$

c)



$$\underline{15} - 2 = \underline{13}$$

d)



$$\underline{20} - 8 = \underline{12}$$

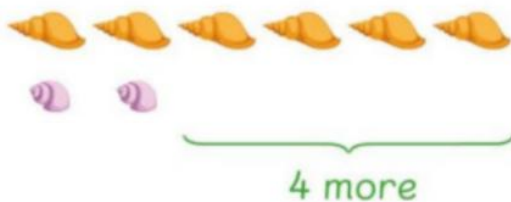
1. Caz picks 6 seashells.
Ron picks 2 seashells.



Finding the **difference** is the same as finding how many more or how many fewer.



What is the difference between the number of seashells Caz and Ron pick?



You need to add 4 more seashells to make 6 seashells.



Caz picks 4 more seashells than Ron.
Ron picks 4 fewer seashells than Caz.
The difference is 4 seashells.

2. Find the difference between 5 and 8.

5 , 6 , 7 , 8
↪ ↪ ↪

We need to count on from 5 to 8.
The difference is 3.

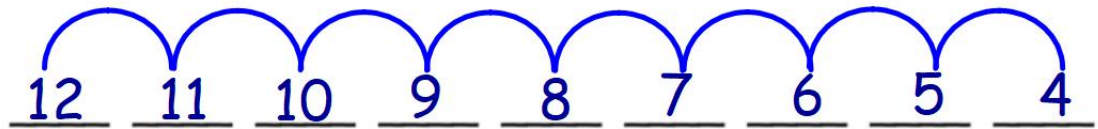
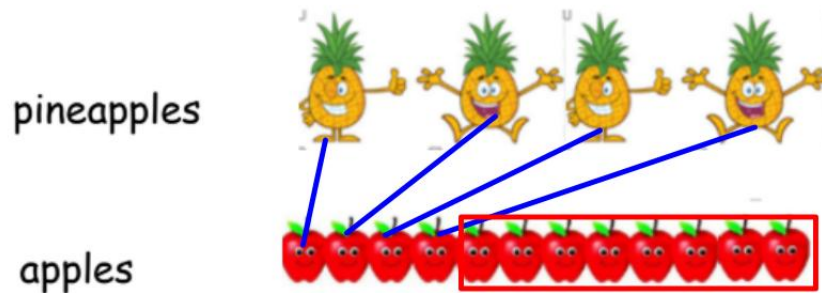
We can also count back from 8 to 5 to find the difference.

5 , 6 , 7 , 8
↪ ↪ ↪

The difference is 3.

3. Find the difference.

booklet p.98

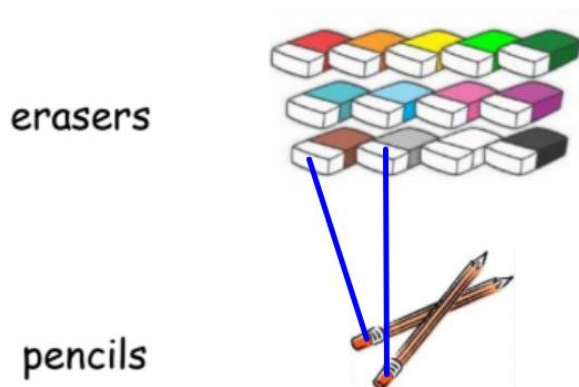


$$12 - 4 = 8$$

There are 8 more apples than pineapples.

4. Find the difference.

booklet p.98

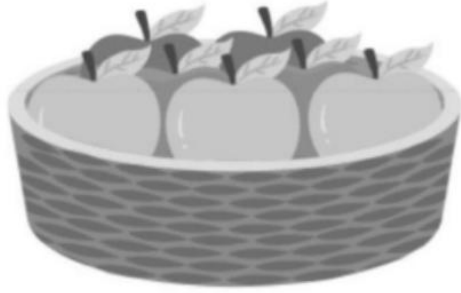


$$13 - 2 = 11$$

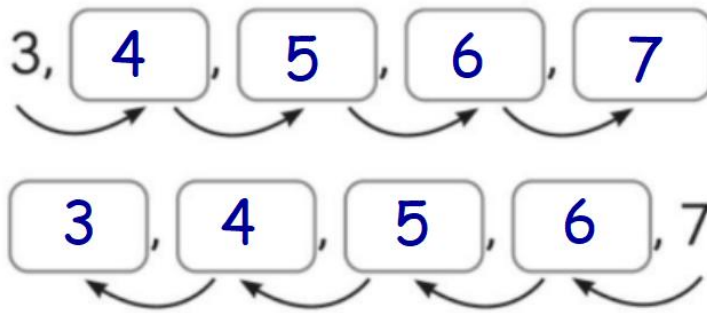
There are 11 fewer pencils than erasers.

5. Find the difference between 3 and 7.

booklet p.99



for extra
practice at
home



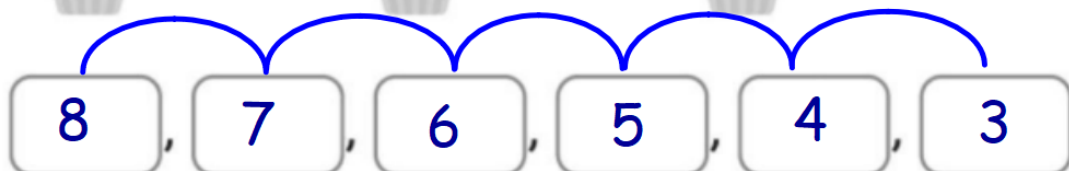
The difference is 4.

6. Find the difference between 3 and 8.

booklet p.99



for extra
practice at
home

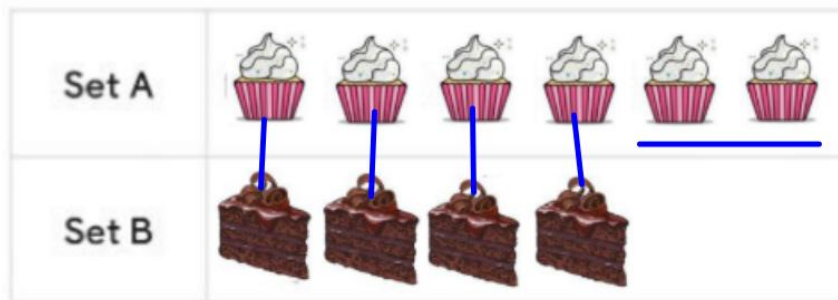


The difference is 5.

7. Look at these two sets of cakes.

booklet p.100

What is the difference in the number of cakes?



Set A has 6 cakes.

Set B has 4 cakes.

The difference is 2 cakes.

8. Terry has 19 pencils.

booklet p.100

He has **4 more** pencils than Amy.

How many pencils does Amy have? Show your work.



Amy has 15 pencils. $19 - 4 = 15$

9. Dani has 7 paper clips.
Mona has 9 paper clips.
Who is correct? Explain.

booklet p.101



I have 2 more
paper clips than
Dani.

Mona



I have 2 fewer
paper clips than
Mona.

Dani

Both Mona and Dani are correct. 9 is 2 more than 7, and 7 is 2 fewer than 9, so both statements mean the same thing.

10. Lana has 8 sharpeners.
Sam has 5 sharpeners.
Who is correct? Explain.

booklet p.101



I have 3 fewer
sharpeners than Lana.

Sam



I have 8 more
sharpeners than Sam.

Lana

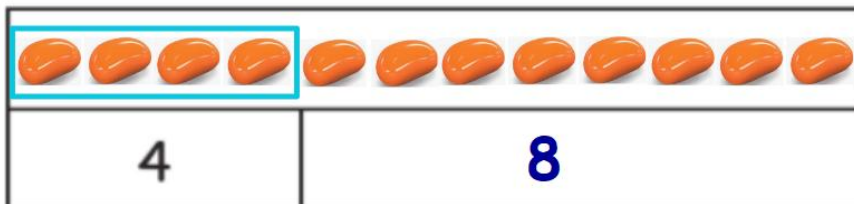
Sam is correct. Because $8 - 5 = 3$. But Lana does not have 8 more than Sam— she has only 3 more.

Using bar model and vertical method [booklet p.102](#)

1. Tia has 12 jelly beans. She eats 4.
How many jelly beans does she have **left**?



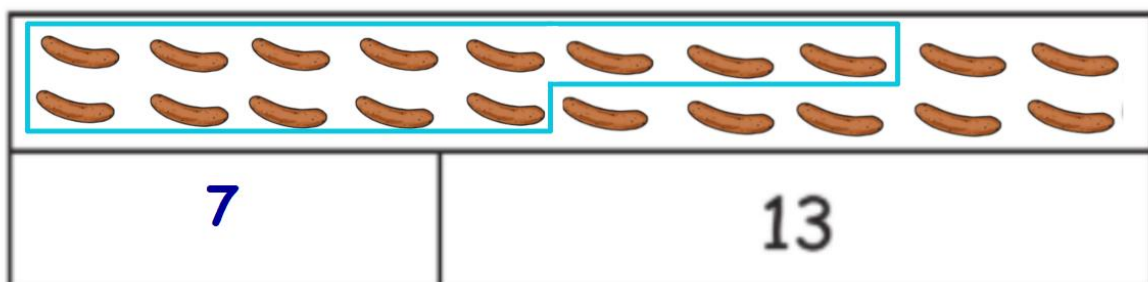
12	
4	



2. There are 20 sausages in a packet. I cook some of the sausages in a frying pan. There are 13 sausages left in the packet. How many sausages did I cook?



20	
	13





booklet p.102

3. Adam has 15 ice cubes. He uses 6 ice cubes in a glass of lemonade. How many does he have **left**?



15	
6	



	
6	9

booklet p.103

4. There are 8 buns on a baking tray. The baking tray can hold 16 buns. **How many more** buns can I put on the tray?



16	
8	

	
8	8

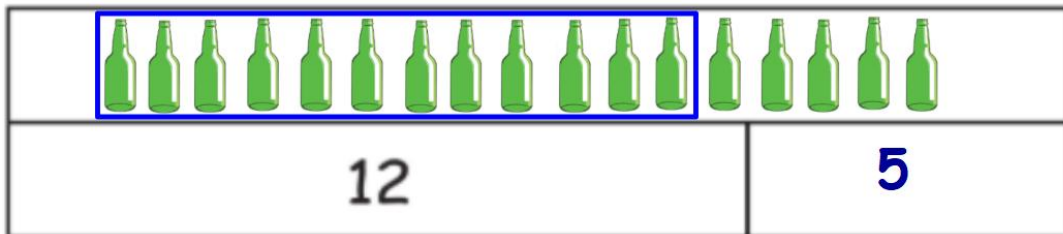
for extra
practice at home

booklet p.103

5. There are 12 glass bottles on a shelf. The shelf can hold 17 bottles. **How many more** can I put on the shelf?



17	
12	



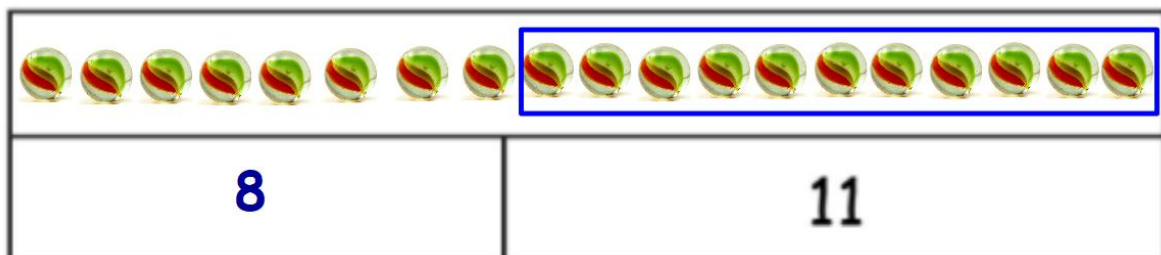
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practice at home

booklet p.103

6. Raj bought 19 marbles. He gave his brother 11 marbles. How many marbles are **left** with him??



19	
	11



7. Subtract.

booklet p.104

$$\begin{array}{r} \text{10s} \quad \text{1s} \\ \text{a) } 15 \\ - 3 \\ \hline 12 \end{array}$$

$$\begin{array}{r} \text{b) } 9 \\ - 6 \\ \hline 3 \end{array}$$

$$\begin{array}{r} \text{10s} \quad \text{1s} \\ \text{c) } 14 \\ - 10 \\ \hline 04 \end{array}$$

$$\begin{array}{r} \text{10s} \quad \text{1s} \\ \text{d) } 20 \\ - 10 \\ \hline 10 \end{array}$$

$$\begin{array}{r} \text{10s} \quad \text{1s} \\ \text{e) } 19 \\ - 5 \\ \hline 14 \end{array}$$

$$\begin{array}{r} \text{10s} \quad \text{1s} \\ \text{f) } 12 \\ - 1 \\ \hline 11 \end{array}$$

$$\begin{array}{r} \text{10s} \quad \text{1s} \\ \text{g) } 16 \\ - 5 \\ \hline 11 \end{array}$$

$$\begin{array}{r} \text{10s} \quad \text{1s} \\ \text{h) } 18 \\ - 4 \\ \hline 14 \end{array}$$

$$\begin{array}{r} \text{10s} \quad \text{1s} \\ \text{i) } 16 \\ - 2 \\ \hline 14 \end{array}$$