

Key Stage 2

Mathematics

Subtraction

Booklet 10: solutions

Name						
Date of Birth	Day		Month		Year	
School						

Instructions

These solutions here correspond to the related exercise booklet. You can work on the tasks from the exercise booklet in class or at home independently. It is well known that repeated practising of exercises is more effective than re-reading information over and over again when it comes to revision. Therefore, you should try to follow the steps below:

- Always try to solve the exercise yourself first.
- Then compare your solution with the actual solution from this booklet. You will be able to check whether you have understood the task correctly or not.
- If you notice that you have not understood the task correctly, try solving it again.
- If you still have problems solving the task, ask your teacher or parent for help.
- Also make a note of the tasks you have difficulties with and try solving them again at a later time.
- Practicing the exercises should be spaced out over time so that it is most effective for you.

Best wishes!

1

30

$= 95 - 65$

1 mark

			9	5															
			-	6	5														
				3	0														

2

914

$= 954 - 40$

1 mark

			9	5	4														
			-		4	0													
				9	1	4													

3

$958 - 50 =$

1 mark

			9	5	8														
			-		5	0													
				9	0	8													

908

4

974 - 80 =

			8																
			9	¹	7	4													
		-			8	0													
			8	9	4														

894

1 mark

5

821

- 90 = 731

?	?	?	-	9	0	=	7	3	1	<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">1</div> Inverse! + 90
?	?	?	=	7	3	1	+	9	0	

	7	3	1	<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">2</div> Calculate!
+		9	0	
	8	2	1	
	1			

1 mark

6

903 - 8 = 895

9	0	3	-	?	?	=	8	9	5	<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">1</div> Rearrange!
9	0	3	-	8	9	5	=	?	?	

	8	9		<div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">2</div> Calculate!
9	0	¹ 3		
-	8	9	5	
			8	

1 mark

6	9	2	3
---	---	---	---

9,026

	8	¹ 5	¹ 2	
	9	6	3	¹ 2
-		7	7	8
	8	8	5	4

10

$$9,034 - 902 =$$

1 mark

$$\begin{array}{r} 8 \\ \cancel{9}^1 0 \ 3 \ 4 \\ - \quad 9 \ 0 \ 2 \\ \hline 8 \ 1 \ 3 \ 2 \end{array}$$

8,132

11

$$956,731 - 54,953 =$$

1 mark

$$\begin{array}{r} 5^1 6^1 2^1 \\ 9 \ 5 \ \cancel{6}^1 \ \cancel{7}^1 \ \cancel{3}^1 \ 1 \\ - \quad 5 \ 4 \ 9 \ 5 \ 3 \\ \hline 9 \ 0 \ 1 \ 7 \ 7 \ 8 \end{array}$$

901,778

12

$$9 - 3.3 =$$

1 mark

$$\begin{array}{r} 8 \\ \cancel{9}^1 . 0 \\ - \quad 3 . 3 \\ \hline 5 . 7 \end{array}$$

← Add decimal point and place holder!

→ Make sure decimal points are lined up!

5.7

13

$$9 - 7.6 =$$



1 mark

$$\begin{array}{r} 8 \\ \cancel{9}^1 \cdot 0 \\ - 7.6 \\ \hline 1.4 \end{array}$$

Add decimal point and place holder!

Make sure decimal points are lined up!

1.4

14

$$18 - 9.9 =$$



1 mark

$$\begin{array}{r} 0 \quad 17 \\ \cancel{1}^1 \cancel{8}^1 \cdot 0 \\ - 9.9 \\ \hline 8.1 \end{array}$$

Add decimal point and place holder!

Make sure decimal points are lined up!

8.1

15

$$9 - 5.72 =$$



1 mark

$$\begin{array}{r} 8 \quad 9 \\ \cancel{9}^1 \cancel{0}^1 \cdot 0 \\ - 5.72 \\ \hline 3.28 \end{array}$$

Add decimal point and place holders!

Make sure decimal points are lined up!

3.28

16

$$9 - 5.37 =$$



1 mark

	8	9			
	9	0	0	¹ 0	
-	5	.	3	7	
	3	.	6	3	

Add decimal point and place holders!
 Make sure decimal points are lined up!

3.63

17

$$9 - 8.376 =$$



1 mark

	8	9	9		
	9	0	0	0	¹ 0
-	8	.	3	7	6
	0	.	6	2	4

Add decimal point and place holders!
 Make sure decimal points are lined up!

0.624

18

$$91.8 - 73.534 =$$



1 mark

	8		7	9	
	9	¹ 1	8	0	¹ 0
-	7	3	.	5	3
	1	8	.	2	6

Add place holders!
 Make sure decimal points are lined up!

18.266

19

$$969.45 - 92.8 =$$

1 mark

$$\begin{array}{r} \overset{8}{\cancel{9}} \overset{1}{6} \overset{8}{\cancel{9}} \overset{1}{4} 5 \\ - \quad \quad 92.80 \\ \hline 876.65 \end{array}$$

Add place holder!

Make sure decimal points are lined up!

876.65

20

$$\frac{9}{20} - \frac{6}{20} =$$

1 mark

$$\frac{9}{20} - \frac{6}{20} = \frac{3}{20}$$

$$\frac{3}{20}$$

21

$$\frac{65}{200} - \frac{47}{200} =$$

1 mark

$$\frac{65}{200} - \frac{47}{200} = \frac{18}{200} = \frac{9}{100}$$

$$\begin{array}{r} \overset{5}{\cancel{6}} \overset{1}{5} \\ - \quad 47 \\ \hline 18 \end{array}$$

$$\frac{9}{100}$$

22

$$\frac{4}{6} - \frac{3}{5} =$$



1 mark

$\frac{4}{6} - \frac{3}{5} =$
 (1) L C M = 30
 $\frac{4}{6} \times \frac{5}{5} = \frac{20}{30}$ $\frac{3}{5} \times \frac{6}{6} = \frac{18}{30}$
 (2)
 (3) Calculate!
 $\frac{20}{30} - \frac{18}{30} = \frac{2}{30} = \frac{1}{15}$
 $\frac{1}{15}$

23

$$\frac{6}{9} - \frac{1}{3} =$$



1 mark

$\frac{6}{9} - \frac{1}{3} =$
 (1) L C M = 9
 $\frac{1}{3} \times \frac{3}{3} = \frac{3}{9}$
 (2)
 (3) Calculate!
 $\frac{6}{9} - \frac{3}{9} = \frac{3}{9} = \frac{1}{3}$
 $\frac{1}{3}$

24

$$\frac{5}{7} - \frac{1}{3} =$$



1 mark

$\frac{5}{7} - \frac{1}{3} =$
 (1) L C M = 21
 $\frac{5}{7} \times \frac{3}{3} = \frac{15}{21}$ $\frac{1}{3} \times \frac{7}{7} = \frac{7}{21}$
 (2)
 (3) Calculate!
 $\frac{15}{21} - \frac{7}{21} = \frac{8}{21}$
 $\frac{8}{21}$

25

$$\frac{4}{10} - \frac{2}{30} =$$

①

$$\frac{4}{10} - \frac{2}{30} =$$

L C M = 30

$$\frac{4}{10} \xrightarrow{\times 3} \frac{12}{30}$$

②

③ Calculate!

$$\frac{12}{30} - \frac{2}{30} = \frac{10}{30} = \frac{1}{3}$$

$\frac{1}{3}$

1 mark

26

$$2 \frac{3}{5} - \frac{4}{5} =$$

①

Change to an improper fraction: $2 \frac{3}{5} = \frac{13}{5}$

②

$$\frac{13}{5} - \frac{4}{5} = \frac{9}{5} = 1 \frac{4}{5}$$

$1 \frac{4}{5}$

1 mark

27

$$1 \frac{1}{7} - \frac{1}{6} =$$

①

Change to an improper fraction: $1 \frac{1}{7} = \frac{8}{7}$

②

$$\frac{8}{7} - \frac{1}{6} =$$

L C M = 42

③

④ Calculate!

$$\frac{48}{42} - \frac{7}{42} = \frac{41}{42}$$

$\frac{41}{42}$

1 mark

28

①

Change to an improper fraction: $3 \frac{1}{2} = \frac{7}{2}$

②

$\frac{7}{2} - \frac{3}{4} =$

$\frac{7}{2} \xrightarrow{\times 2} \frac{14}{4}$

=

$\frac{3}{4}$

L C M = 4

③

$\frac{7}{2} \xrightarrow{\times 2} \frac{14}{4}$

④

 $\frac{14}{4} - \frac{3}{4} = \frac{11}{4} = 2 \frac{3}{4}$

1 mark

$2 \frac{3}{4}$

29

①

Change to an improper fraction: $2 \frac{9}{18} = \frac{45}{18}$

②

$\frac{45}{18} - \frac{5}{6} =$

$\frac{45}{18} \xrightarrow{\times 1} \frac{45}{18}$

=

$\frac{5}{6} \xrightarrow{\times 3} \frac{15}{18}$

L C M = 18

③

$\frac{5}{6} \xrightarrow{\times 3} \frac{15}{18}$

④

 $\frac{45}{18} - \frac{15}{18} = \frac{30}{18} = \frac{5}{3} = 1 \frac{2}{3}$

1 mark

$1 \frac{2}{3}$

30

①

Change to an improper fraction: $3 \frac{2}{3} = \frac{11}{3}$ & $1 \frac{6}{7} = \frac{13}{7}$

②

$\frac{11}{3} - \frac{13}{7} =$

$\frac{11}{3} \xrightarrow{\times 7} \frac{77}{21}$

=

$\frac{13}{7} \xrightarrow{\times 3} \frac{39}{21}$

L C M = 21

③ Calculate!

 $\frac{77}{21} - \frac{39}{21} = \frac{38}{21} = 1 \frac{17}{21}$

1 mark

$1 \frac{17}{21}$

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