

Answers for Subtraction Worksheet

It is important to note that these suggested solutions are just one of the many possible strategies that children may use.

1. $766 - 4 - 96$

Possible strategy: grouping

Instead of subtracting 4 then 96, subtract 100.

$$766 - 4 - 96$$

$$= 766 - 100$$

$$= 666$$

Looking ahead often helps in mental computation.

2. $104 - 97 = 7$

Possible strategy: equal addition

$$104 - 97$$

$$= (104 + 3) - (97 + 3)$$

$$= 107 - 100$$

$$= 7$$

3. $1\ 002 - 7 = 995$

Possible strategy: subtraction in stages

$$1\ 002 - 2 = 1\ 000$$

$$1\ 000 - 5 = 995$$

4. $40\ 000 - 1\ 100 = 38\ 900$

Possible strategy: subtraction in stages

$$40\ 000 - 1000 = 39\ 000$$

$$39\ 000 - 100 = 38\ 900$$

5. $1\ 950 - 351 = 1\ 599$

Possible strategy: subtraction in stages

$$1\ 650 - 50 = 1\ 600$$

$$1\ 950 - 300 = 1\ 650$$

$$1\ 600 - 1 = 1\ 599$$

6. $13\ 000 - 99 = 12\ 901$
Possible strategy: rounding
 $13\ 000 - 100 + 1$
 $= 12\ 900 + 1$
 $= 12\ 900$
7. $5\ 241 - 900 = 4\ 341$
Possible strategy: rounding
 $5\ 241 - 1\ 000 + 100$
 $= 4\ 241 + 100$
 $= 4\ 341$
8. $7\ 243\ 562 - 999\ 999 = 6\ 243\ 563$
Possible strategy: rounding
999 999 is nearly 1 million.
 $7\ 243\ 562 - 1\ \text{million} = 6\ 243\ 562$
Then add 1 to get 6 243 563
9. $876 - 123 = 753$
Possible strategy: subtraction in stages
 $876 - 100 = 776$
 $776 - 20 = 756$
 $756 - 3 = 753$
10. $2\ 003 - 1\ 997 = 6$
Possible strategy: equal addition
 $(2\ 003 + 3) - (1997 + 3)$
 $= 2\ 006 - 2\ 000$
 $= 6$
11. $\$193 - \$126 = \$67$
Possible strategy: complementary addition
Firstly add 4 to 126 to give 130. Then add 60 to 130 to give 193. Add a final 3 to get 193. Altogether 67 has been added to 126 to give 193. Therefore the difference between the two amounts is \$67.

12. $54\ 321 - 4\ 000 = 50\ 321$
 Students may complete this problem by seeing that the 4 in 54 321 represents 4 thousands. Therefore 50 321 needs to be subtracted to leave only 4 000. reading the numbers in words makes this strategy more obvious.
13. $2100 - 1901 = 199$
 Possible strategy: working with well known facts
 It is 99 years from 1901 to 2000 and 100 years from 2000 to 2100. So altogether it is 199 years.
14. $\$30 - \$8.95 - \$8.95 - \$7.50 = \$4.60$
 Possible strategy: rounding
 Round both $\$8.95$ to 9 dollars
 $30 - 9 = 21$
 $21 - 9 = 12$
 $12 - 7.5 = \$4.50$
 Now add the extra 10 cents from the rounding:
 $\$4.50 + 10\text{ cents} = \4.60
15. Mozart was 14 years older.
 Possible strategy: complementary addition
 To find the difference between 1756 and 1770 first add 4 to 1756 to give 1760 and then add 10 to give 1770.
 This is a difference of 14.

Mozart lived 35 years.

Possible strategy: equal addition
 $(1791 + 4) - (1756 + 4)$
 $= 1795 - 1760$
 $= 35$

Beethoven lived 57 years

Possible strategy: complementary addition
 Add 30 to 1770 to get to 1800. Then add another 27 to get to 1827. Therefore the difference is 57.