SUBTRACTION WITHIN 20

A DEFINITIONS

A.1 SUBTRACTING NUMBERS WITHIN 10

Ex 1:

$$9 - 1 = \boxed{}$$

Ex 2:

$$10 - 2 = \boxed{}$$

Ex 3:

$$7 - 3 = \boxed{}$$

Ex 4:

$$9 - 5 = \boxed{}$$

Ex 5:

$$6 - 2 = \boxed{}$$

Ex 6:
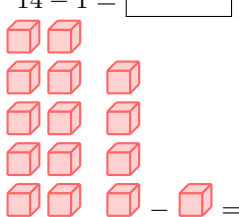
$$8 - 3 = \boxed{}$$

Ex 7:
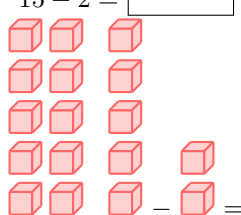
$$10 - 6 = \boxed{}$$

A.2 SUBTRACTING BY TAKING AWAY UNITS
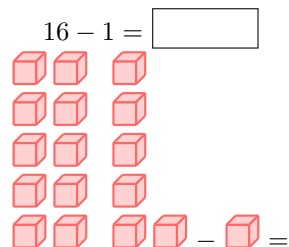
Ex 8:

$$14 - 1 = \boxed{}$$

$$- \ = $$
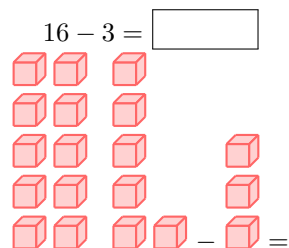
Ex 9:

$$15 - 2 = \boxed{}$$

$$- \ = $$
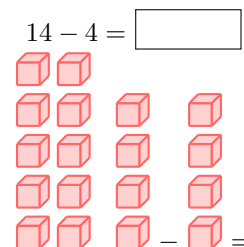
Ex 10:

$$16 - 1 = \boxed{}$$

$$- \ = $$
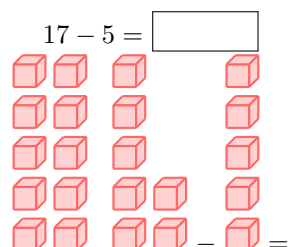
Ex 11:

$$16 - 3 = \boxed{}$$

$$- \ = $$

Ex 12:
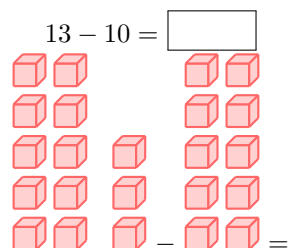
$$14 - 4 = \boxed{}$$

$$- \ = $$

Ex 13:
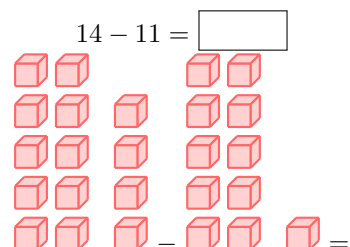
$$17 - 5 = \boxed{}$$

$$- \ = $$

A.3 SUBTRACTING BY TAKING AWAY UNITS AND ONE TEN

Ex 14:

$$13 - 10 = \boxed{}$$

$$- \ = $$

Ex 15:

$$14 - 11 = \boxed{}$$

$$- \ = $$

Ex 16:

$$13 - 12 = \boxed{}$$

Ex 17:

$$15 - 13 = \boxed{}$$

Ex 18:

$$13 - 10 = \boxed{}$$

Ex 19:

$$15 - 14 = \boxed{}$$

Ex 20:

$$18 - 16 = \boxed{}$$

A.4 SUBTRACTING MULTIPLE NUMBERS

Ex 21:

$$5 - 1 - 1 = \boxed{}$$

Ex 22:

$$5 - 2 - 1 = \boxed{}$$

Ex 23:

$$6 - 3 - 2 = \boxed{}$$

Ex 24:

$$7 - 1 - 3 = \boxed{}$$

Ex 25:

$$8 - 2 - 4 = \boxed{}$$

Ex 26:

$$6 - 4 - 1 = \boxed{}$$

Ex 27:

$$9 - 4 - 3 = \boxed{}$$

A.5 BREAKING DOWN NUMBERS

Ex 28:
$$3 = 2 + \boxed{}$$

Ex 29:
$$5 = 3 + \boxed{}$$

Ex 30:
$$4 = 1 + \boxed{}$$

Ex 31:
$$7 = 4 + \boxed{}$$

Ex 32:
$$8 = 3 + \boxed{}$$

Ex 33:
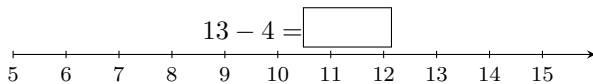$$9 = 7 + \boxed{}$$
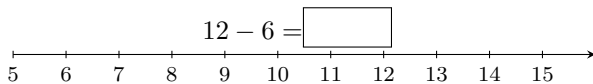
Ex 34:
$$10 = 6 + \boxed{}$$

B NUMBER LINE METHOD

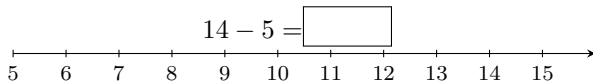### B.1 SUBTRACTING USING THE NUMBER LINE

Ex 35:
$$13 - 4 = \boxed{}$$
5 6 7 8 9 10 11 12 13 14 15

Ex 36:
$$12 - 6 = \boxed{}$$
5 6 7 8 9 10 11 12 13 14 15

Ex 37:
$$14 - 5 = \boxed{}$$
5 6 7 8 9 10 11 12 13 14 15

Ex 38:
$$15 - 6 = \boxed{}$$
5 6 7 8 9 10 11 12 13 14 15

Ex 39:
$$11 - 6 = \boxed{}$$
5 6 7 8 9 10 11 12 13 14 15

Ex 40:
$$17 - 6 = \boxed{}$$
10 11 12 13 14 15 16 17 18 19 20
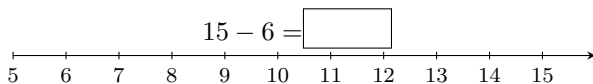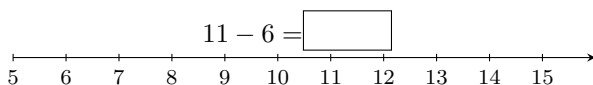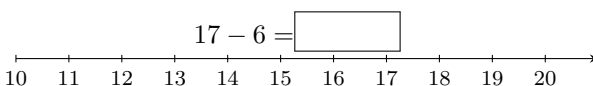
C MAKING 10 METHOD

C.1 BREAKING DOWN NUMBERS TO MAKE TEN

Ex 41:
$$11 - 3 = 11 - 1 - \boxed{}$$

Ex 42:
$$12 - 3 = 12 - 2 - \boxed{}$$

Ex 43:
$$14 - 6 = 14 - 4 - \boxed{}$$

Ex 44:
$$12 - 7 = 12 - 2 - \boxed{}$$

Ex 45:
$$11 - 9 = 11 - 1 - \boxed{}$$

Ex 46:
$$13 - 7 = 13 - 3 - \boxed{}$$

Ex 47:
$$15 - 9 = 15 - 5 - \boxed{}$$

C.2 SUBTRACTING FROM TEN

Ex 48:
$$10 - 3 = \boxed{}$$

Ex 49:
$$10 - 2 = \boxed{}$$

Ex 50:
$$10 - 4 = \boxed{}$$

Ex 51:
$$10 - 1 = \boxed{}$$

Ex 52:
$$10 - 5 = \boxed{}$$

Ex 53:
$$10 - 7 = \boxed{}$$

Ex 54:
$$10 - 6 = \boxed{}$$

C.3 MAKING 10 AFTER BREAKING DOWN NUMBERS

Ex 55:
$$13 - 5 = 13 - 3 - 2$$
$$= \boxed{}$$

Ex 56:
$$17 - 8 = 17 - 7 - 1$$
$$= \boxed{}$$

Ex 57:
$$16 - 8 = 16 - 6 - 2$$
$$= \boxed{}$$

Ex 58:
$$15 - 8 = 15 - 5 - 3$$
$$= \boxed{}$$

Ex 59:
$$14 - 7 = 14 - 4 - 3$$
$$= \boxed{}$$

Ex 60:
$$18 - 9 = 18 - 8 - 1$$
$$= \boxed{}$$

Ex 61:
$$13 - 7 = 13 - 3 - 4$$
$$= \boxed{}$$

Ex 62:
$$13 - 9 = 13 - 3 - 6$$
$$= \boxed{}$$

C.4 SUBTRACTING NUMBER WITHIN 20

Ex 63:
$$13 - 5 = \boxed{}$$

Ex 64:
$$17 - 8 = \boxed{}$$

Ex 65:
$$16 - 8 = \boxed{}$$

Ex 66:
$$15 - 8 = \boxed{}$$

Ex 67:
$$14 - 7 = \boxed{}$$

Ex 68:
$$18 - 9 = \boxed{}$$

Ex 69:
$$13 - 7 = \boxed{}$$

Ex 70:
$$13 - 9 = \boxed{}$$

D ADDITION AND SUBTRACTION LINK

D.1 FINDING SUBTRACTION USING ADDITION

Ex 71: If we know that $17 + 14 = 31$, then $31 - 17 = \boxed{}$.

Ex 72: If we know that $50 + 45 = 95$, then $95 - 50 = \boxed{}$.

Ex 73: If we know that $18 + 82 = 100$, then $100 - 18 = \boxed{}$.

Ex 74: If we know that $78 + 2 = 80$, then $80 - 78 = \boxed{}$.

D.2 FINDING THE MISSING SUBTRAHEND

Ex 75:
$$4 - \boxed{} = 1$$

Ex 76:
$$5 - \boxed{} = 2$$

Ex 77:
$$7 - \boxed{} = 5$$

Ex 78:
$$6 - \boxed{} = 4$$

Ex 79:
$$8 - \boxed{} = 3$$

D.3 FINDING THE TOTAL IN SUBTRACTION PROBLEMS

Ex 80:
$$\boxed{} - 2 = 3$$

Ex 81:
$$\boxed{} - 4 = 2$$

Ex 82:
$$\boxed{} - 3 = 4$$

Ex 83:
$$\boxed{} - 5 = 3$$

Ex 84:
$$\boxed{} - 6 = 3$$

D.4 FINDING THE MISSING ADDEND

Ex 85:

$$9 + \boxed{} = 11$$

Ex 86:

$$7 + \boxed{} = 12$$

Ex 87:

$$6 + \boxed{} = 12$$

Ex 88:

$$11 + \boxed{} = 14$$

Ex 89:

$$8 + \boxed{} = 12$$
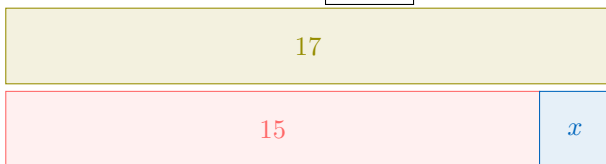
Ex 90:

$$5 + \boxed{} = 12$$

Ex 91:

$$12 + \boxed{} = 15$$

D.5 SUBTRACTING BY THINKING ADDITION

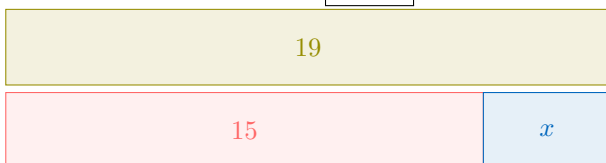**Ex 92:**

$$17 - 15 = \boxed{}$$

| 17 | |
| 15 | x |

Ex 93:

$$11 - 9 = \boxed{}$$

| 11 | |
| 9 | x |

Ex 94:

$$19 - 15 = \boxed{}$$

| 19 | |
| 15 | x |

Ex 95:

$$12 - 8 = \boxed{}$$

| 12 | |
| 8 | x |

Ex 96:

$$13 - 11 = \boxed{}$$

| 13 | |
| 11 | x |

Ex 97:

$$14 - 9 = \boxed{}$$

| 14 | |
| 9 | x |

Ex 98:

$$16 - 11 = \boxed{}$$

| 16 | |
| 11 | x |
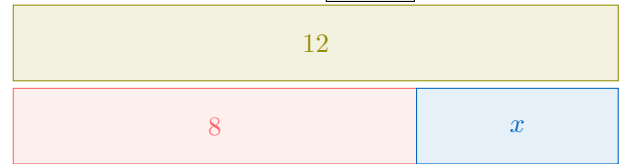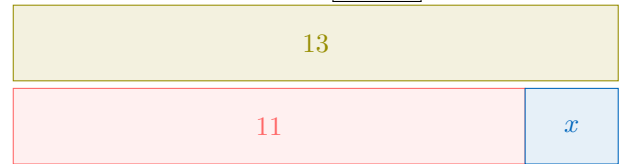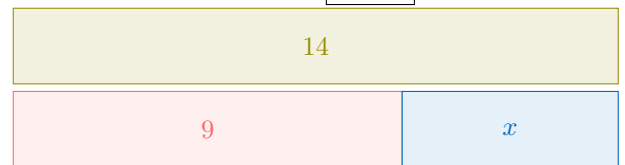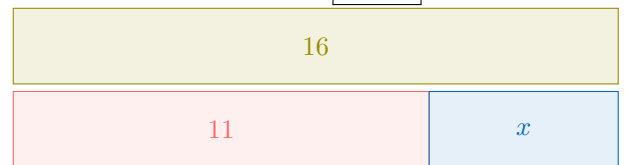
E PROBLEM-SOLVING METHODS

E.1 SOLVING REAL-WORLD PROBLEMS

Ex 99: Hugo and Louis are looking for shells. Hugo found 6 shells, and Louis found 9 shells.
How many shells do they have together in total?

$$\boxed{} \text{ shells}$$

Ex 100: Last month, Louis weighed 14 kilos. This month, they gained 5 kilos.
How much does Louis weigh now?

$$\boxed{} \text{ kilos}$$

Ex 101: A bookshelf has 11 books. You take 3 books to read. How many books are left on the bookshelf?

$$\boxed{} \text{ books}$$

Ex 102: Su has saved 12 dollars from her allowance. Li has saved 5 dollars more than Su.
How much money has Li saved?

$$\boxed{} \text{ dollars}$$

Ex 103: You have 17 marbles. You give 4 marbles to a friend. How many marbles do you have left?

[   ] marbles

Ex 104: During the holiday, Anjelaï read 5 more books than the 7 books she had planned to read. How many books did she read in total?

[   ] books

Ex 105: You buy something for 6 dollars. You give the seller a 10 dollar bill. How much change will you get back?

[   ] dollars

Ex 106: You start with 20 candies. You give 6 candies to a friend. How many candies do you have left?

[   ] candies

Ex 107: Li won 8 marbles during recess. Tonight, he has 15 marbles. How many marbles did he have this morning?

[   ] marbles

Ex 108: Emma found 5 seashells at the beach in the afternoon. Now she has 12 seashells. How many seashells did she already have before going to the beach?

[   ] seashells