

Decimal Fractions – Tenths

Problems like $2.3 + \square = 7.1$

We are learning solve problems like $2.3 + \square = 7.1$ by jumping a whole number on a number line then jumping back a small number (tenths).

Exercise 1

What to do

- Use the strategy of jumping a whole number on a number line to solve the following problems.

Find the number that goes in the box. Do a single jump. Do not jump along in ones.

- | | | |
|-----------------------------|------------------------------|------------------------------|
| 1) $6.3 + \square = 8.3$ | (2) $1.2 + \square = 9.2$ | (3) $3.4 + \square = 7.4$ |
| 4) $2.3 + \square = 7.3$ | (5) $11.2 + \square = 14.2$ | (6) $6.4 + \square = 9.4$ |
| 7) $9.4 + \square = 10.4$ | (8) $8.2 + \square = 11.2$ | (9) $31.3 + \square = 34.3$ |
| 10) $96.1 + \square = 99.1$ | (11) $33.6 + \square = 38.6$ | (12) $45.3 + \square = 49.3$ |
| 13) $88.2 + \square = 90.2$ | (14) $93.1 + \square = 99.1$ | |

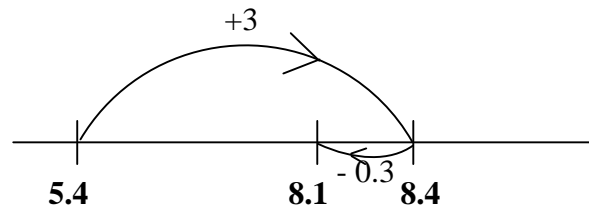
Exercise 2

Paul used a number line to solve $5.4 + \square = 8.1$.

He jumped 3 from 5.4 to 8.4.

He then jumped back 0.3 to 8.1.

Paul recorded his working: $3 - 0.3 = 2.7$.



What to do

- Use the strategy of jumping a whole number on a number line then jumping back a small number (tenths) to find the number that goes in the box.

- | | | |
|-----------------------------|------------------------------|------------------------------|
| 1) $5.3 + \square = 8.1$ | (2) $2.4 + \square = 7.0$ | (3) $2.5 + \square = 7.2$ |
| 4) $5.8 + \square = 9.4$ | (5) $2.7 + \square = 8.3$ | (6) $4.5 + \square = 9.4$ |
| 7) $1.2 + \square = 9.1$ | (8) $6.5 + \square = 8.4$ | (9) $4.5 + \square = 7.1$ |
| 10) $3.4 + \square = 8.1$ | (11) $15.2 + \square = 18.1$ | (12) $37.5 + \square = 39.1$ |
| 13) $52.5 + \square = 57.4$ | (14) $64.2 + \square = 69.1$ | (15) $92.5 + \square = 96.3$ |
| 16) $27.5 + \square = 29.4$ | | |

Decimal Fractions – Tenths

$$2.3 + \square = 7.1$$

Answers

Exercise 1

- | | | | | | |
|-----|---|------|---|------|---|
| 1) | 2 | (2) | 8 | (3) | 4 |
| 4) | 5 | (5) | 3 | (6) | 3 |
| 7) | 1 | (8) | 3 | (9) | 3 |
| 10) | 3 | (11) | 5 | (12) | 4 |
| 13) | 2 | (14) | 6 | | |

Exercise 2

- | | | | | | |
|-----|-----|------|-----|------|-----|
| 1) | 2.8 | (2) | 4.6 | (3) | 4.7 |
| 4) | 3.6 | (5) | 5.6 | (6) | 4.9 |
| 7) | 7.9 | (8) | 1.9 | (9) | 2.6 |
| 10) | 4.7 | (11) | 2.9 | (12) | 1.6 |
| 13) | 4.9 | (14) | 4.9 | (15) | 3.8 |
| 16) | 1.9 | | | | |