

Calculate mentally using small steps

Tip: Start with highest number!

Steps to Success:

- 1) Start with the smallest number
(not take aways!)
- 2) Add chunks of the other number
- 3) Check with a written calculation

Vocabulary

estimate

digit

check

inverse

Mental:

Find compliments to 100.

$$\begin{array}{r} 85 + \underline{\quad} \\ 15 = 100 \\ \hline 100 \\ \hline \end{array}$$
$$65 + 35 = 100$$
$$25 + 75 = 100$$

For adding:

$$75 + 48$$

Steps to Success:

- 1) Start with the smallest number
- 2) Add chunks of the other number

$$\begin{array}{ccccccc} & +10 & +10 & +10 & +10 & +5 & +3 & =48 \\ \hline 75 & & 85 & & & & & \end{array}$$

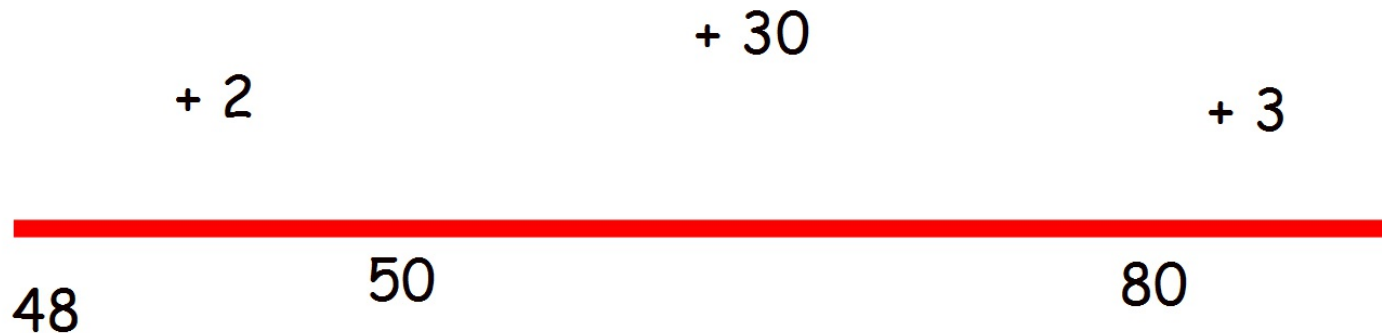
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For take away: Steps to Success:

$$83 - 48$$

- 1) Start with the smallest number
- 2) Add chunks of the other number
- 3) Check with a written calculation

What do we need to add to make this 83? = 35



- 1) Start with the smallest number
- 2) Add chunks of the other number
- 3) Check with a written calculation

Cut out the questions, and glue into your books. Fill in the missing parts, then do some on your own!

1) $95 + 35 = \underline{\quad}$

A number line starting at 95 and ending at 140. Above the line, there are four jumps: three of size +10 and one of size +5. The total jump is labeled as = 35. Below the line, the numbers 95 and 105 are written, followed by four blank spaces for intermediate numbers.

2) $30 + 90 = \underline{\quad}$

A number line starting at 90 and ending at 180. Above the line, there are three jumps of size +10. The total jump is labeled as = 30. Below the line, the number 90 is written, followed by three blank spaces for intermediate numbers.

3) $75 + 70 = \underline{\quad}$

A number line starting at 75 and ending at 145. Above the line, there are seven jumps of size +10. The total jump is labeled as = 70. Below the line, the number 75 is written, followed by seven blank spaces for intermediate numbers.

4) $140 - 60 = \underline{\quad}$

A number line starting at 60 and ending at 140. Above the line, there are four jumps of size +10. The total jump is labeled as = _____. Below the line, the numbers 60, 70, 80, 90, 100, 110, 120, 130, and 140 are written.

5) $125 - 35 = \underline{\quad}$

A number line starting at 35 and ending at 125. Above the line, there are four jumps of size +10. The total jump is labeled as = _____. Below the line, the numbers 35, 45, 55, 65, and 125 are written, with four blank spaces for intermediate numbers.

- 6) $75 + 35$ 7) $105 - 65$ 8) $88 + 24$ 9) $259 + 331$ 10) $132 - 88$