

How To Solve A Problem

SEE & UNDERSTAND

Do I understand what the problem is asking? Discuss.

PLANNING

Plan how you might solve the problem. Select a strategy from the board.

DOING IT

Try out your idea.

CHECK IT

Did it work out?
If yes, what else can you learn?
If no, go back to step one.

Strategy Board

DO I KNOW A SIMILAR PROBLEM?

GUESS, CHECK AND IMPROVE

TRY A SIMPLER PROBLEM

WRITE AN EQUATION

MAKE A LIST OR TABLE

WORK BACKWARDS

ACT IT OUT

DRAW A PICTURE OR GRAPH

MAKE A MODEL

LOOK FOR A PATTERN

TRY ALL POSSIBILITIES

SEEK AN EXCEPTION

BREAK THE PROBLEM INTO PARTS

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