

Name: _____ Date: _____

Plan, Check and Adjust

GRADE 6

MATHEMATICS

F1.2

Most plans go off track. What matters is noticing early and knowing your options: save more each week, spend less, or move the deadline. Each one can be worked out in numbers rather than guessed at.

PART A: RECALCULATE

1. Piotr plans \$180 across 9 weeks. His weekly target is \$_____.
2. After 3 weeks on target you would have \$_____.
3. Having only \$45 after 3 weeks leaves you \$_____ behind.

PART B: WHEN THE PLAN BREAKS

4. Piotr's goal is \$150 in 10 weeks. After 6 weeks he has \$75. What must he save each remaining week to finish on time, and how does that compare with his original target?

SHOW YOUR WORK

Answer: _____

5. Instead of saving more, Piotr keeps to \$15 a week and moves the deadline. How many extra weeks does he need?

SHOW YOUR WORK

Answer: _____

6. Which adjustment would you advise, and what would you need to know about Piotr to decide?

SHOW YOUR WORK

Answer: _____

PART C: OPTIONS WHEN BEHIND

7. A plan that has fallen behind can be brought back by:
- ☐ (A) saving more, spending less, or moving the deadline
 - ☐ (B) only by earning more
 - ☐ (C) only by moving the deadline
8. Checking progress halfway matters most because:
- ☐ (A) there is still time to change the plan
 - ☐ (B) the goal becomes smaller
 - ☐ (C) the weekly target cannot change

PART D: DESIGN A PLAN THAT FAILS

9. Write a goal that goes off track halfway. Show the original weekly target, the amount actually saved, and two different ways to still reach the goal, with the numbers worked out for each.

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ANSWER KEY

1. 20
2. 60
3. 15
4. \$18.75 a week, which is \$3.75 more than his original \$15 target.
5. 1 extra week. The \$75 still to save takes 5 more weeks at \$15, and only 4 weeks were left in the plan, so he finishes in week 11 instead of week 10.
6. Either can work. Saving more suits someone whose income can stretch; moving the deadline suits someone whose income cannot. The deciding fact is whether the reward is needed by a particular date.
7. A) saving more, spending less, or moving the deadline
8. A) there is still time to change the plan
9. Answers will vary and must include an original weekly target, a shortfall at the halfway point, and two costed fixes, for example raising the weekly amount across the remaining weeks or keeping the rate and extending the deadline. Both routes must be worked out in numbers rather than just named.

TEACHER NOTES

Extension beyond the grade-level expectation: every rescue option is costed rather than described, and Part B question 3 has no single right answer because the decision depends on facts the question deliberately withholds. Part A's optional items deal with a figure that does not divide evenly, which is what real recovery maths looks like.