LESSON MAKER PRO

Small Sums, Big Plans

See how regular saving builds money over time.

GRADE 8 · TEKS 8.12.C

8.12.C "explain how small amounts of money invested regularly, including money saved for college and retirement, grow over time;"

NAME ______________________ DATE ____________

BUILD IT UP

For a regular savings plan, multiply the amount saved each time by the number of deposits. If the account earns interest or a bonus, find the deposits first, then add the extra amount.

WORKED EXAMPLE

Mina invests \$7 each month for 5 months. How much does she invest before any earnings?

1. Number of deposits: 5
2. \$7 x 5 = \$35

Answer: \$35

PRACTICE 5 problems

1. You save \$4 each week for 9 weeks. How much do you save?

   ANSWER ______________________

2. You invest \$11 each month for 6 months. What is your total investment?

   ANSWER ______________________

3. You save \$15 each month for 12 months. How much do you save in all?

   ANSWER ______________________

4. You deposit \$8 every other week for 6 deposits. What is your total deposit amount?

   ANSWER ______________________

5. After you invest \$80 through regular deposits, the account earns 10% for the year. What is the account balance?

   ANSWER ______________________

APPLY IT
Show your work

1 You want a new bike that costs $68. You save $6 each week for 12 weeks. Do you have enough money, and how much is left after buying the bike?

WORK SPACE

ANSWER ____________________

2 A college savings account receives $25 each month for 12 months. At the end of the year, it adds a 10% bonus based on the deposits. What is the balance?

WORK SPACE

ANSWER ____________________

CHALLENGE
One step up

CHALLENGE

For retirement, Dani deposits $10 each month. At the end of each year, the account adds 10% of the balance after that year's deposits. What is the balance after 2 years?

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Small Sums, Big Plans

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	You save $4 each week for 9 weeks. How much do you save?	**$36**
2	You invest $11 each month for 6 months. What is your total investment?	**$66**
3	You save $15 each month for 12 months. How much do you save in all?	**$180**
4	You deposit $8 every other week for 6 deposits. What is your total deposit amount?	**$48**
5	After you invest $80 through regular deposits, the account earns 10% for the year. What is the account balance?	**$88**

PART 2 · APPLY IT

1. **Yes, $4 is left.** $6 x 12 = $72. Then $72 - $68 = $4.
2. **$330** The deposits total $25 x 12 = $300. The bonus is $30, so the balance is $330.

CHALLENGE

$277.20

Accept answers with or without dollar signs. For the challenge, accept work showing Year 1 as $132, then Year 2 as $277.20.