



Problem of the Week

Problem A

School Supply Spending

Mr. Cameron has \$100 to spend on school supplies for his classroom. His students need pencils, erasers, binders, lined paper, whiteboard markers, and crayons. When he looks through the catalogue, he discovers that the items he needs are only available in packages. The table below shows the prices.

Supplies	Amount per Package	Cost per Package
pencils	10	\$0.50
erasers	12	\$1.00
binders	25	\$5.00
lined paper	100	\$1.50
whiteboard markers	4	\$4.00
crayons	24	\$1.00

Mr. Cameron has 20 students in his class. Each student needs 5 pencils, 2 erasers, 5 binders, 50 sheets of lined paper, 1 whiteboard marker, and 1 entire package of crayons. Mr. Cameron needs 8 whiteboard markers himself.

- A) Does Mr. Cameron have enough money to buy all of his classroom supplies? Justify your answer.
- B) If he does have enough money, how much is leftover from the \$100? If he does not have enough money, how much more would he need?

