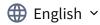
Solving linear equations using the inverse matrix



Practice Assignment • 30 min



Your grade: 92.85%

Your latest: **92.85**% • Your highest: **92.85**%

To pass you need at least 80%. We keep your highest score.

Next item →

1. You go to the shops on Monday and buy 1 apple, 1 banana, and 1 carrot; the whole transaction totals €15. On Tuesday you buy 3 apples, 2 bananas, 1 carrot, all for €28. Then on Wednesday 2 apples, 1 banana, 2 carrots, for €23.

Construct a matrix and vector for this linear algebra system. That is, for

$$Aegin{bmatrix} a \ b \ c \end{bmatrix} = egin{bmatrix} s_{ ext{Mon}} \ s_{ ext{Tue}} \ s_{ ext{Wed}} \end{bmatrix}$$

Where a, b, c, are the prices of apples, bananas, and carrots. And each s is the total for that day.

Fill in the components of A and ${f s}$.



Correct! Well done.

2. Given another system, $B\mathbf{r} = \mathbf{t}$,

1/1 point