Mathematics

Writing calculations

Downloadable Resource

Mr Maseko

Complete the trios of worded descriptions, function machines and calculations
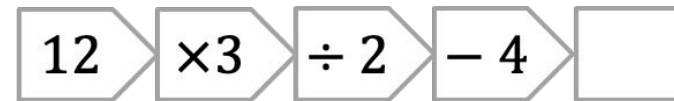
I start with 12 then add 6. I then multiply my answer by 2 and then divide by 4, to get a final answer of _____.

$$12 \rightarrow +6 \rightarrow \times 2 \rightarrow \div 4 \rightarrow \square$$

$$(12 + 6) \times 2 \div 4 = \square$$

I start with 12 then _____, and finally subtract 4 to get a final answer of ____.

$$12 \rightarrow \times 3 \rightarrow \div 2 \rightarrow -4 \rightarrow \square$$

$$\square = \square$$

I start with 12 then _____

$$12 \rightarrow \square \rightarrow \square \rightarrow \square \rightarrow \square$$
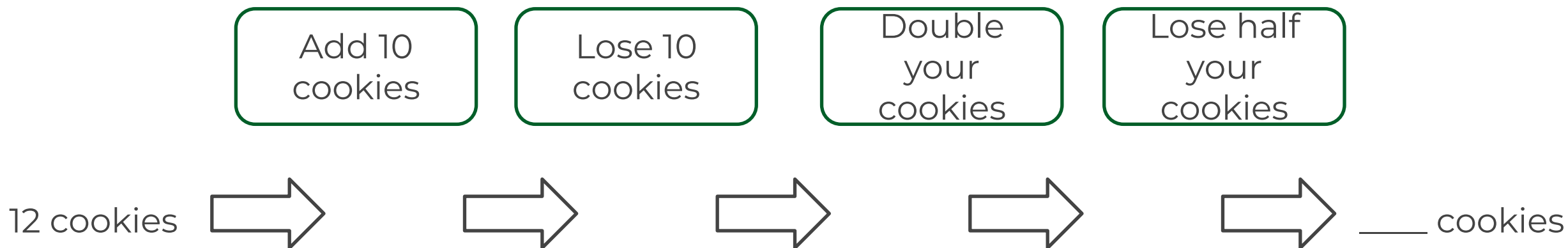
$$5 \times (12 \div 3 - 2) = \square$$

Connect

To play in a prize draw you are given 12 cookies and 4 tickets. You then choose the order you want to play your tickets to increase the number of cookies you have.

Add 10 cookies	Lose 10 cookies	Double your cookies	Lose half your cookies

12 cookies ⟹ ⟹ ⟹ ⟹ ⟹ ___ cookies

What order should the tickets be used to get the maximum number of cookies at the end?

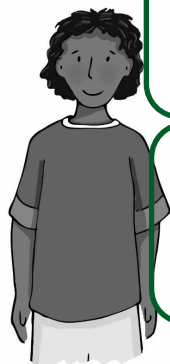Write a calculation to match the order you used the tickets in.

Independent task

Xavier, Zaki and Yasmin start with 12 cookies. With the cards they each have, who can end up with the highest number of cookies? Write calculations to show how you know.

Add 30	Lose 5
Add 20	Add 15

Triple your cookies	Lose half your cookies
Double your cookies	Double your cookies

Add 30	Lose 5
Triple your cookies	Lose half your cookies

Explore

Using these 4 tickets, how many different totals are possible?

Write the matching calculation for each total you find.

Add 20 cookies	Lose 5 cookies	triple your cookies	Lose half your cookies

12 cookies ⟹ ⟹ ⟹ ⟹ ⟹ ___ cookies