

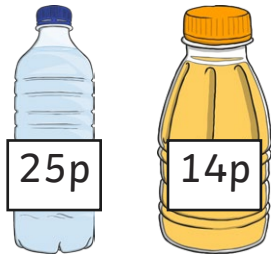


Charley Cheat

I can use the inverse relationship to check calculations.



Write an inverse calculation to find out whether you are dealing with Charley Cheat or Honest Hamish! Use equipment to prove your thinking.



$$25 + 14 = 42p$$

You owe 42p.

$$42 - \underline{\quad} = \underline{\quad}$$

Honest Hamish

Charley Cheat



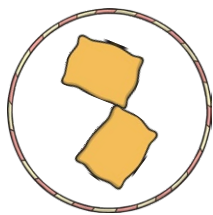
$$60p - 15p = 45p$$

You need 45p change.

$$45 + \underline{\quad} = \underline{\quad}$$

Honest Hamish

Charley Cheat



I had 32 points and then I got 24 more points. I now have a total of 55 points.

$$55 - \underline{\quad} = \underline{\quad}$$

Honest Hamish

Charley Cheat



We had 56 points but we lost 24 points for talking. We now have 36 points.

$$36 + \underline{\quad} = \underline{\quad}$$

Honest Hamish

Charley Cheat



Charley Cheat

Can you find a way for Honest Hamish to get through the maze? Honest Hamish can only travel on the correct calculations!

Check the calculations with an inverse to find his route.

Start

$$75 - 15 = 60$$

$$60 - 20 = 30$$

$$45 + 45 = 65$$

$$70 - 40 = 40$$

$$24 - 14 = 10$$

$$16 + 20 = 36$$

$$22 + 22 = 44$$

$$23 + 25 = 52$$

$$55 - 15 = 34$$

$$12 + 8 = 21$$

$$100 - 40 = 60$$

$$90 - 20 = 70$$

$$19 + 11 = 40$$

$$16 + 23 = 40$$

$$17 + 13 = 28$$

$$34 + 22 = 56$$

Finish



Answers

Write an inverse calculation to find out whether you are dealing with Charley Cheat or Honest Hamish! Use equipment to prove your thinking.

$$25 + 14 = 42\text{p}$$

You owe 42p.

$$42 - \underline{14} = \underline{28}$$

Charley Cheat

$$60\text{p} - 15\text{p} = 45\text{p}$$

You need 45p change.

$$45 + \underline{15} = \underline{60}$$

Honest Hamish

I had 32 points and then I got 24 more points. I now have a total of 55 points.

$$55 - \underline{24} = \underline{31}$$

Charley Cheat

We had 56 points but we lost 24 points for talking. We now have 36 points.

$$36 + \underline{24} = \underline{60}$$

Charley Cheat

Can you find a way for Honest Hamish to get through the maze? Honest Hamish can only travel on the correct calculations!

Check the calculations with an inverse to find his route.

$75 - 15 = 60$	$60 - 20 = 30$	$45 + 45 = 65$	$70 - 40 = 40$
$24 - 14 = 10$	$16 + 20 = 36$	$22 + 22 = 44$	$23 + 25 = 52$
$55 - 15 = 34$	$12 + 8 = 21$	$100 - 40 = 60$	$90 - 20 = 70$
$19 + 11 = 40$	$16 + 23 = 40$	$17 + 13 = 28$	$34 + 22 = 56$

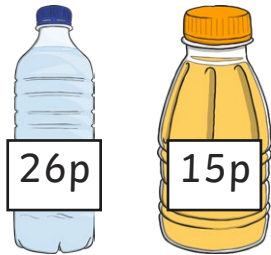


Charley Cheat

I can use the inverse relationship to check calculations.



Write an inverse calculation to find out whether you are dealing with Charley Cheat or Honest Hamish! Use equipment to prove your thinking.



$$26 + 15 = 41p$$

You owe 41p.

Honest Hamish

Charley Cheat

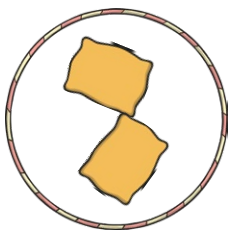


$$60p - 15p = 45p$$

You need 45p change.

Honest Hamish

Charley Cheat



I had 38 points and then I got 23 more points. I now have a total of 63 points.

Honest Hamish

Charley Cheat



We had 54 points but we lost 26 points for talking. We now have 28 points.

Honest Hamish

Charley Cheat



Charley Cheat

Can you find a way for Honest Hamish to get through the maze?

Check the calculations with an inverse to find his route.

Start

$$76 - 15 = 61$$

$$60 - 20 = 30$$

$$45 + 40 = 80$$

$$75 - 40 = 40$$

$$34 - 14 = 20$$

$$16 + 22 = 36$$

$$22 + 65 = 86$$

$$23 + 65 = 92$$

$$55 - 15 = 40$$

$$32 + 8 = 41$$

$$100 - 44 = 55$$

$$93 - 22 = 72$$

$$19 + 21 = 40$$

$$16 + 24 = 40$$

$$17 + 13 = 30$$

$$34 + 28 = 62$$

Finish



Answers

Write an inverse calculation to find out whether you are dealing with Charley Cheat or Honest Hamish! Use equipment to prove your thinking.

$$26 + 15 = 41\text{p}$$

You owe 41p.

$$41 - 15 = 26$$

Honest Hamish

$$60\text{p} - 15\text{p} = 45\text{p}$$

You need 45p change.

$$16 + 52 = 68$$

Charley Cheat

I had 38 points and then I got 23 more points. I now have a total of 63 points.

$$63 - 23 = 40$$

Charley Cheat

We had 54 points but we lost 26 points for talking. We now have 28 points.

$$28 + 26 = 54$$

Honest Hamish

Can you find a way for Honest Hamish to get through the maze?

Check the calculations with an inverse to find his route.

$76 - 15 = 61$	$60 - 20 = 30$	$45 + 40 = 80$	$75 - 40 = 40$
$34 - 14 = 20$	$16 + 22 = 36$	$22 + 65 = 86$	$23 + 65 = 92$
$55 - 15 = 40$	$32 + 8 = 41$	$100 - 44 = 55$	$93 - 22 = 72$
$19 + 21 = 40$	$16 + 24 = 40$	$17 + 13 = 30$	$34 + 28 = 62$



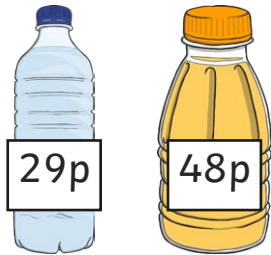


Charley Cheat

I can use the inverse relationship to check calculations.



Write an inverse calculation to find out whether you are dealing with Charley Cheat or Honest Hamish! Use equipment to prove your thinking.



$$29 + 48 = 79p$$

You owe 79p.

Honest Hamish

Charley Cheat



$$95p - 28p = 63p$$

You will have 63p left.

Honest Hamish

Charley Cheat



I had 86 marbles but I lost 29. I will take 57 marbles home.

Honest Hamish

Charley Cheat



We scored 23 points in the 1st game, 24 in the 2nd and 26 in the 3rd, so we have 77 points altogether.

Honest Hamish

Charley Cheat



Charley Cheat

Charley Cheat has just escaped through the maze.

Can you find his route and write the correct inverse calculations so he can't escape again?

Start

$$76 - 15 = 61$$

$$63 - 23 = 30$$

$$45 + 45 = 80$$

$$84 - 14 = 70$$

$$56 + 32 = 88$$

$$22 + 67 = 86$$

$$65 - 15 = 50$$

$$36 + 38 = 72$$

$$100 - 37 = 73$$

$$49 + 51 = 90$$

$$46 + 34 = 70$$

$$87 + 13 = 100$$

$$94 - 66 = 32$$

$$39 + 29 = 68$$

$$90 - 66 = 24$$

Finish



Answers

Write an inverse calculation to find out whether you are dealing with Charley Cheat or Honest Hamish! Use equipment to prove your thinking.

$$29 + 48 = 79\text{p}$$

You owe 79p.

$$79 - 48 = 31$$

Charley Cheat

$$95\text{p} - 28\text{p} = 63\text{p}$$

You will have 63p left.

$$63 + 28 = 91$$

Charley Cheat

I had 86 marbles but I lost 29. I will take 57 marbles home.

$$57 + 29 = 86$$

Honest Hamish

We scored 23 points in the 1st game, 24 in the 2nd and 26 in the 3rd, so we have 77 points altogether.

$$77 - 26 - 24 = 27$$

Charley Cheat

Charley Cheat has just escaped through the maze. Can you find his route and write the correct inverse calculations so he can't escape again?

$76 - 15 = 61$	$63 - 23 = 30$ $30 + 23 = 53$	$45 + 45 = 80$ $80 - 45 = 35$
$84 - 14 = 70$	$56 + 32 = 88$	$22 + 67 = 86$ $86 - 67 = 19$
$65 - 15 = 50$	$36 + 38 = 72$ $72 - 38 = 34$	$100 - 37 = 73$ $73 + 37 = 110$
$49 + 51 = 90$ $90 - 51 = 39$	$46 + 34 = 70$ $70 - 34 = 36$	$87 + 13 = 100$
$94 - 66 = 32$ $32 + 66 = 98$	$39 + 29 = 68$	$90 - 66 = 24$