

Can you solve two step problems involving multiplication?
(GREEN)

1. Hats : £28 Sunglasses : £26

How much would it cost to buy 15 hats and 18 pairs of sunglasses?

2. Oranges : 32p Apples : 29p

How much does it cost to buy 18 apples and 7 apples?

3. Hotel Room : £56 Parking : £22

How much will it cost for me to stay in the hotel for 14 nights if I need to park my car each night?

4. Television : £97 Mobile Phone: £34

The shop sells 8 televisions and 22 mobile phones during the day. How much money has the shop made?

5. Chocolate : 32p Lolly : 26p

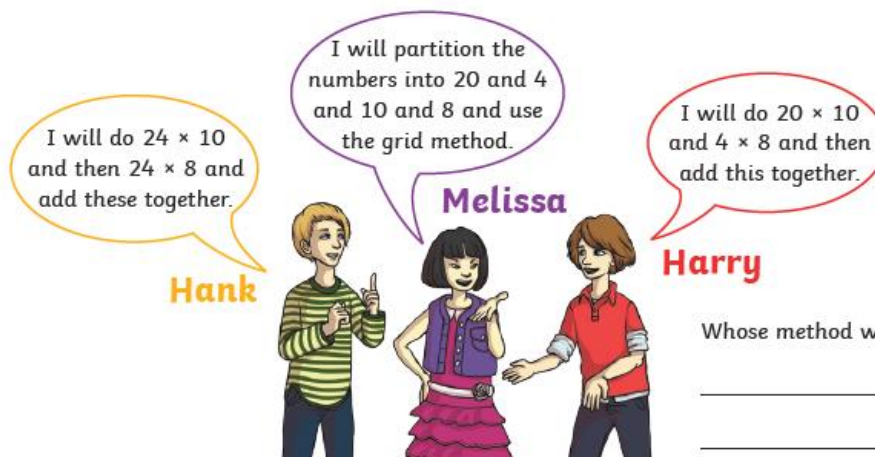
I buy 16 chocolate bars and 9 lollies. How much money will I have left from £10.00?

6. Trainers : £44 Football Top : £33

The shop sells 28 pairs of trainers and 17 football tops. How much money has the shop made in total?

7. The school is having a charity event. The target is to raise £632. 32 children have each raised £17 each. How much more money is needed before they reach the target?

! Melissa, Harry and Hank are calculating 24×18 . They each share their strategy for finding the product.



Whose method would you choose and why?

Zena is practising the grid method of multiplying 2-digit numbers. Can you identify the mistakes she has made and explain what she has done wrong?

x	50	2
20	100	40
4	200	8

x	30	5
30	900	150
6	18	30

Extension

- 1) The children at Twinkl Academy are trying to solve the caretaker's clues to find the measurements of their rectangular school hall floor. The caretaker says that the length of each side of the hall floor is a 2-digit number and the area of the hall floor is between 350m^2 and 400m^2 .



- a) What could the measurements be? Find three possible solutions.

- b) The caretaker adds that one of the sides has a digit sum of 5. Find three possible solutions.



- c) The caretaker gives a final clue. He says the other side has a digit sum of 8 and the exact area is 391m^2 . What are the exact measurements of the hall?
