

## Discussion Problems

### Step 12: Subtract a 2-Digit Number from a 3-Digit Number

#### National Curriculum Objectives:

Mathematics Year 3: (3C2) [Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction](#)

Mathematics Year 3: (3C4) [Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction](#)

#### About this resource:

This resource has been designed for pupils who understand the concepts within [this step](#). It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More [Year 3 Addition and Subtraction](#) resources.

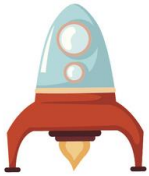
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# Subtract a 2-Digit Number from a 3-Digit Number

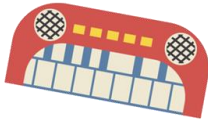
1. Danny and Greg go to the opening of a new toy shop.

Danny has £623 in his savings account and he wants to treat himself to a new toy.

How much money would he have left if he bought each of the toys below?



£57



£25



£37



£68



£49



£16

Greg has £114 left over from his birthday money.

He buys a toy and is left with more than £49 but less than £67.

Which toy could he have bought? Find all the possibilities by subtracting each price from his total.

DP

2. Jenna went to watch a show at the theatre. She was in the theatre for 202 minutes. There was a break for 35 minutes part way through. How long was the show?



During the show, Jenna had the following distractions:

People talking	Popcorn rustling
Double the length of the popcorn rustling	Between 10 and 20 minutes

Calculate how much of the show Jenna watched by exploring how long each distraction lasted for. Explore 5 possibilities.

DP

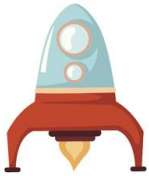
# Subtract a 2-Digit Number from a 3-Digit Number

1. Danny and Greg go to the opening of a new toy shop.

Danny has £623 in his savings account and he wants to treat himself to a new toy.

How much money would he have left if he bought each of the toys below?

**Rocket – £566, Keyboard – £598, Drum – £586, Scooter – £555, Robot – £574, Dinosaur – £607**



£57



£25



£37



£68



£49



£16

Greg has £114 left over from his birthday money.

He buys a toy and is left with more than £49 but less than £67.

Which toy could he have bought? Find all the possibilities by subtracting each price from his total.

**He could have bought the rocket ( $£114 - £57 = £57$ ) or the robot ( $£114 - £49 = £65$ ).**

DP

2. Jenna went to watch a show at the theatre. She was in the theatre for 202 minutes. There was a break for 35 minutes part way through. How long was the show?

**167 minutes**



During the show, Jenna had the following distractions:

**Various answers, for example:**

People talking	Popcorn rustling
<b>24 minutes</b>	<b>12 minutes</b>

Calculate how much of the show Jenna watched by exploring how long each distraction lasted for. Explore 5 possibilities.

DP