

Diving into Mastery



Checking Answers



Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



Diving



Deeper



Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

Aim

- Estimate the answer to a calculation and use inverse operations to check answers.



Complete this subtraction:

| | | | | |
|---|---|---|---|--|
| | | | | |
| | 3 | 5 | 6 | |
| - | 2 | 1 | 6 | |
| | 1 | 4 | 0 | |
| | | | | |

| | | | | |
|---|---|---|---|--|
| | | | | |
| | 1 | 4 | 0 | |
| + | 2 | 1 | 6 | |
| | 3 | 5 | 6 | |
| | | | | |

What addition calculation can you do to check your answer?



I had 280 teabags in a box and have used 172 of them.
How many are left in the box?

What calculation would you use to check your answer?

| | | | | |
|---|---|---|---|--|
| | | | | |
| | 1 | 0 | 8 | |
| + | 1 | 7 | 2 | |
| | 2 | 8 | 0 | |
| | | 1 | | |





How many addition and subtraction calculations can you correctly write using only the following numbers?

141

430

289

| | | | |
|---|---|---|---|
| | 1 | 4 | 1 |
| + | 2 | 8 | 9 |
| | 4 | 3 | 0 |
| | 1 | 1 | |

| | | | |
|---|---|---|---|
| | 2 | 8 | 9 |
| + | 1 | 4 | 1 |
| | 4 | 3 | 0 |
| | 1 | 1 | |

| | | | |
|---|----------------|-----------------------------|----------------|
| | 3 4 | 1 2 3 | 1 0 |
| - | 1 | 4 | 1 |
| | 2 | 8 | 9 |
| | | | |

| | | | |
|---|----------------|-----------------------------|----------------|
| | 3 4 | 1 2 3 | 1 0 |
| - | 2 | 8 | 9 |
| | 1 | 4 | 1 |
| | | | |



I work out $343 - 122$ and get the answer 221.
Which addition calculations will help me check my answer:

| | | | |
|---|---|---|---|
| | 1 | 2 | 2 |
| + | 2 | 2 | 1 |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | 2 | 2 | 1 |
| + | 3 | 4 | 3 |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | 2 | 2 | 1 |
| + | 1 | 2 | 2 |
| | | | |
| | | | |



Can $112 + 56 = 168$ be checked using $112 - 56$?
Discuss your thoughts with a partner.



Check Answers

Deepest



I am thinking of a number.

I add 43

I add 72

My
answer is
353.

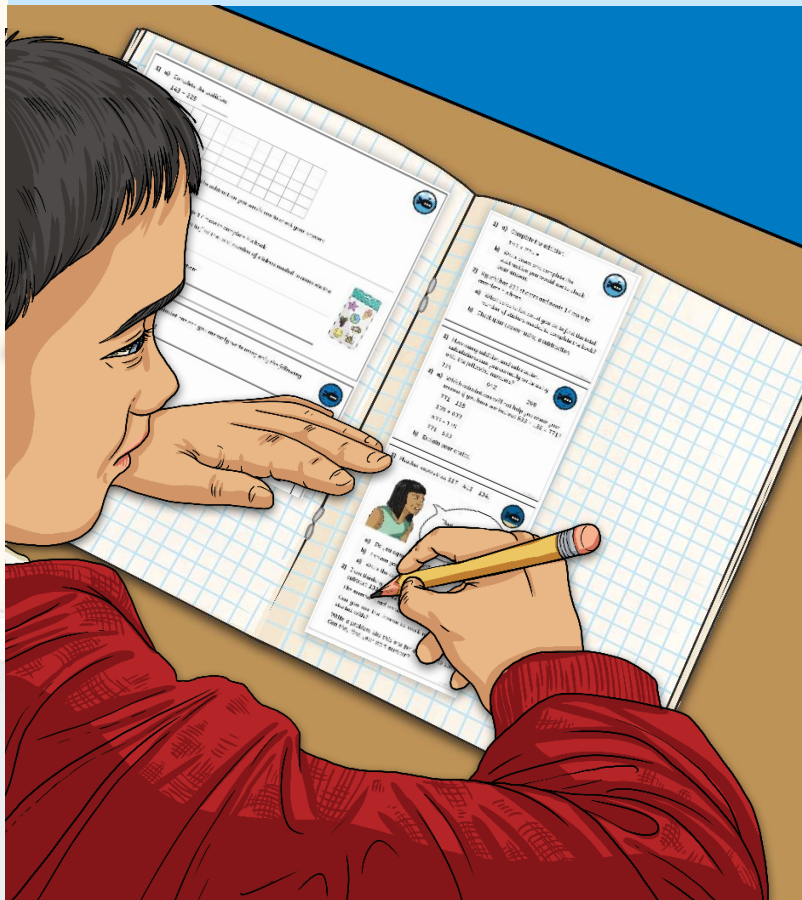
I
subtract
254

What number did I start with?

492

Check Answers

Dive in by completing your own activity!

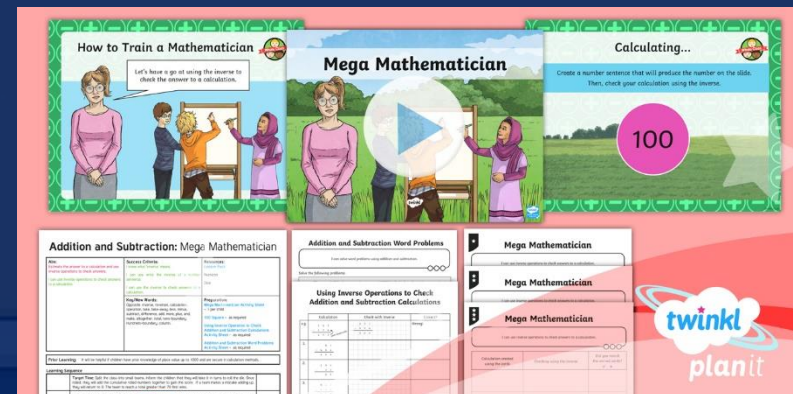
[illegible]

Need Planning to Complement this Resource?

National Curriculum Aim

Estimate the answer to a calculation and use inverse operations to check answers.

For more planning resources to support this aim, [click here](#).



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