

After a week, Robert's sunflower droops by 36cm.
It is now 154cm tall.
What was the height of Robert's sunflower last week?

Together, Isla's, Rowan's and Harry's
sunflowers are 500cm tall.
Each of their sunflowers is at least 100cm tall.
How tall could each sunflower be?

Priya plants a sunflower seed.
After 3 months it is 342cm tall.
It grows 50cm after another month.
Priya's friend, Varishna, also grows a sunflower.
Hers is 382cm tall.
Who has the tallest sunflower and by how much?

CARD 2

Priya plants a
sunflower seed.
After 3 months it is 342cm
tall. It grows 50cm after
another month.
How tall is the
sunflower now?

What if...
...all the lengths on this card were halved?

Priya plants a sunflower seed.
After 3 months it is 342cm tall.
It grows 50cm after another month.
How tall is the sunflower now?
Priya's friend, Varishna, also grows
a sunflower.
Hers is 382cm tall.
Who has the tallest sunflower and
by how much?

Priya needs a cane to support her sunflower.
Her sunflower was 264cm but it has grown by 30cm.
Will a cane that is 3m tall be tall enough to
support the whole of her sunflower?
Explain how you know.

Measurement:
length cm, +, -,
halving

Simple

More
steps

Instructions
left out

Explain

Finding all
possibilities

Less straight
forward

What
if...

? - 36cm = 154cm
 (154 + 36 = 190)
 190cm - 36cm = 154cm

One possible approach...

For the Orange Challenge:
 Priya plants a sunflower seed.
 After 3 months it is 171cm tall.
 It grows 25cm after another month.
 How tall is the sunflower now?
 (196cm).

e.g.

Isla	Rowan	Harry
100cm	100cm	300cm
100cm	200cm	200cm
200cm	150cm	150cm

There are many possible solutions.
 etc.

342cm + 50cm =
 392cm

342cm + 50cm = 392cm
 392cm - 382cm = 10cm
 Priya's is taller by 10cm.

342cm + 50cm = 392cm
 392cm - 382cm = 10cm
 Priya's is taller by 10cm.

Yes because 264cm + 30cm = 294cm.
 3 metres is the same as 300cm
 so it is tall enough.