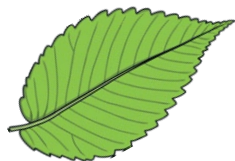




Finding

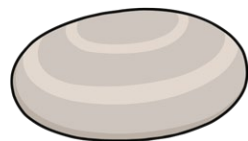
Each of the children in the group finds 2 things.
What might the length of their 2 objects be in total?



3cm



5cm



2cm



4cm



1cm



Chopping

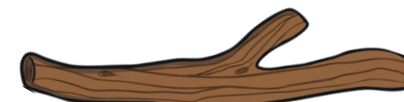
Each child cuts 3cm off their sticks.
How long is each stick now?



10cm



9cm



8cm



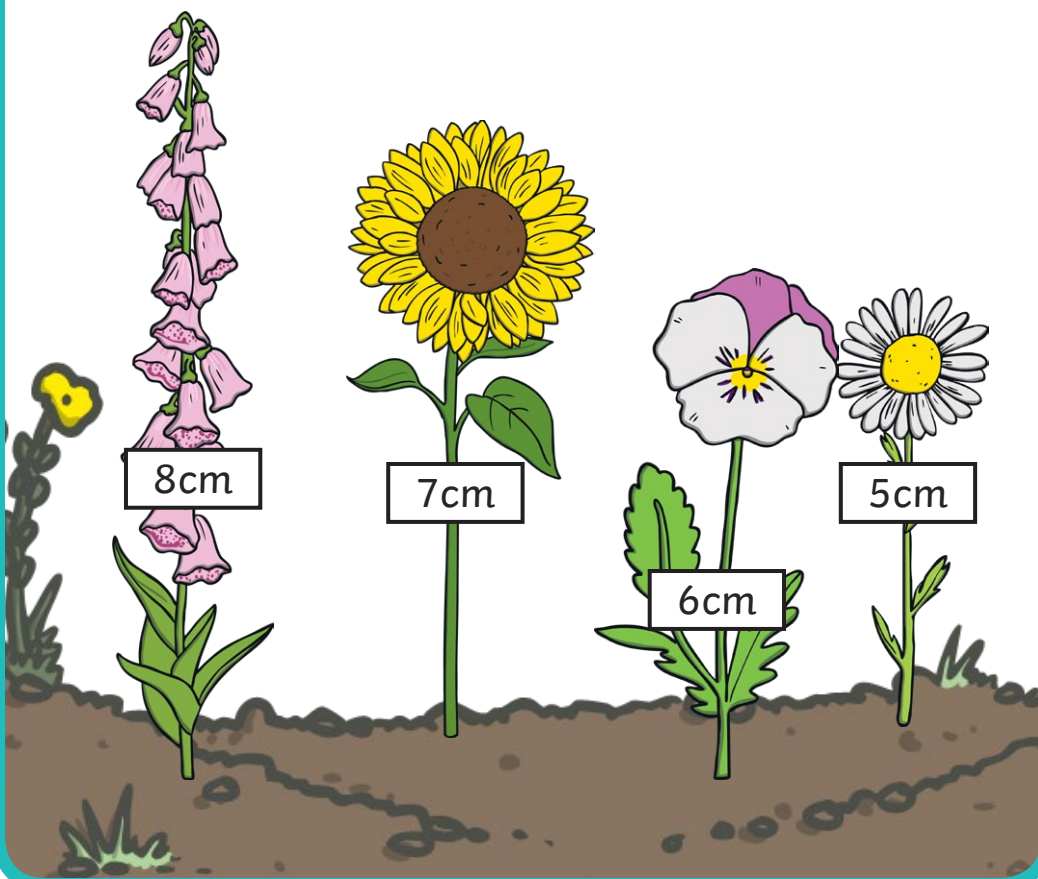
7cm



Growing

The children's plants have grown 4cm since they measured them.

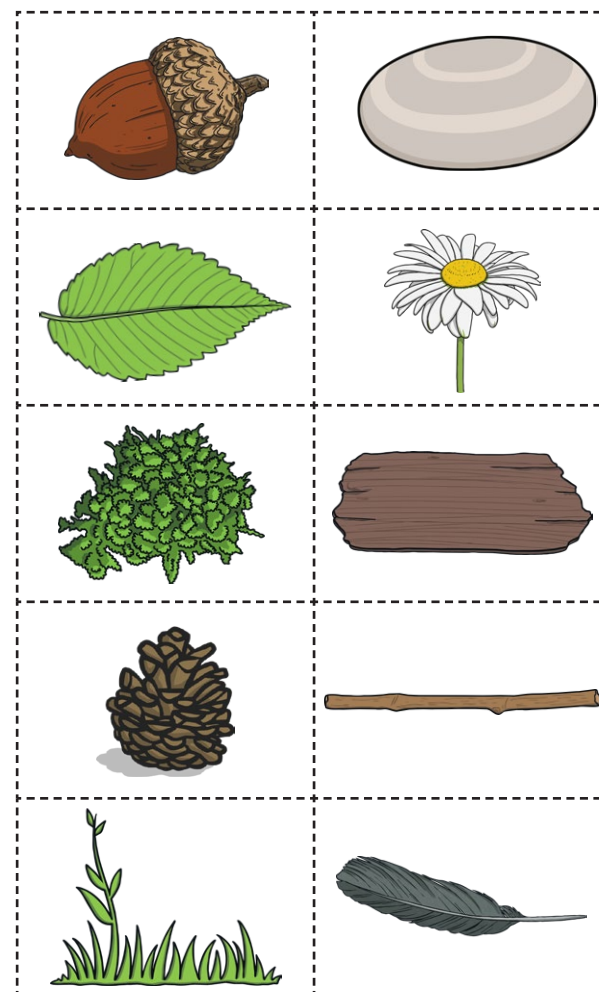
Can you work out their new heights?



Hiding

Play with a partner.

Cut out each of the objects. Take it in turns to hide some. Can your partner tell you how many are hidden? Can you write a number sentence?





Answers

1. Finding

$$1\text{cm} + 2\text{cm} = 3\text{cm}$$

$$1\text{cm} + 3\text{cm} = 4\text{cm}$$

$$1\text{cm} + 4\text{cm} = 5\text{cm}$$

$$2\text{cm} + 3\text{cm} = 5\text{cm}$$

$$2\text{cm} + 4\text{cm} = 6\text{cm}$$

$$2\text{cm} + 5\text{cm} = 7\text{cm}$$

$$3\text{cm} + 4\text{cm} = 7\text{cm}$$

$$3\text{cm} + 5\text{cm} = 8\text{cm}$$

$$4\text{cm} + 5\text{cm} = 9\text{cm}$$

If you allow the children to use the same object twice:

$$1\text{cm} + 1\text{cm} = 2\text{cm}$$

$$2\text{cm} + 2\text{cm} = 4\text{cm}$$

$$3\text{cm} + 3\text{cm} = 6\text{cm}$$

$$4\text{cm} + 4\text{cm} = 8\text{cm}$$

$$5\text{cm} + 5\text{cm} = 10\text{cm}$$

2. Chopping

$$10\text{cm} - 3\text{cm} = 7\text{cm}$$

$$9\text{cm} - 3\text{cm} = 6\text{cm}$$

$$8\text{cm} - 3\text{cm} = 5\text{cm}$$

$$7\text{cm} - 3\text{cm} = 4\text{cm}$$

3. Growing

$$5\text{cm} + 4\text{cm} = 9\text{cm}$$

$$6\text{cm} + 4\text{cm} = 10\text{cm}$$

$$7\text{cm} + 4\text{cm} = 11\text{cm}$$

$$8\text{cm} + 4\text{cm} = 12\text{cm}$$

Finding

Each of the children in the group finds 2 things.
What might the length of their 2 objects be in total?



6cm



5cm



10cm



4cm



1cm

Chopping

Each child cuts 3cm off their sticks.
How long is each stick now?



10cm



12cm



7cm

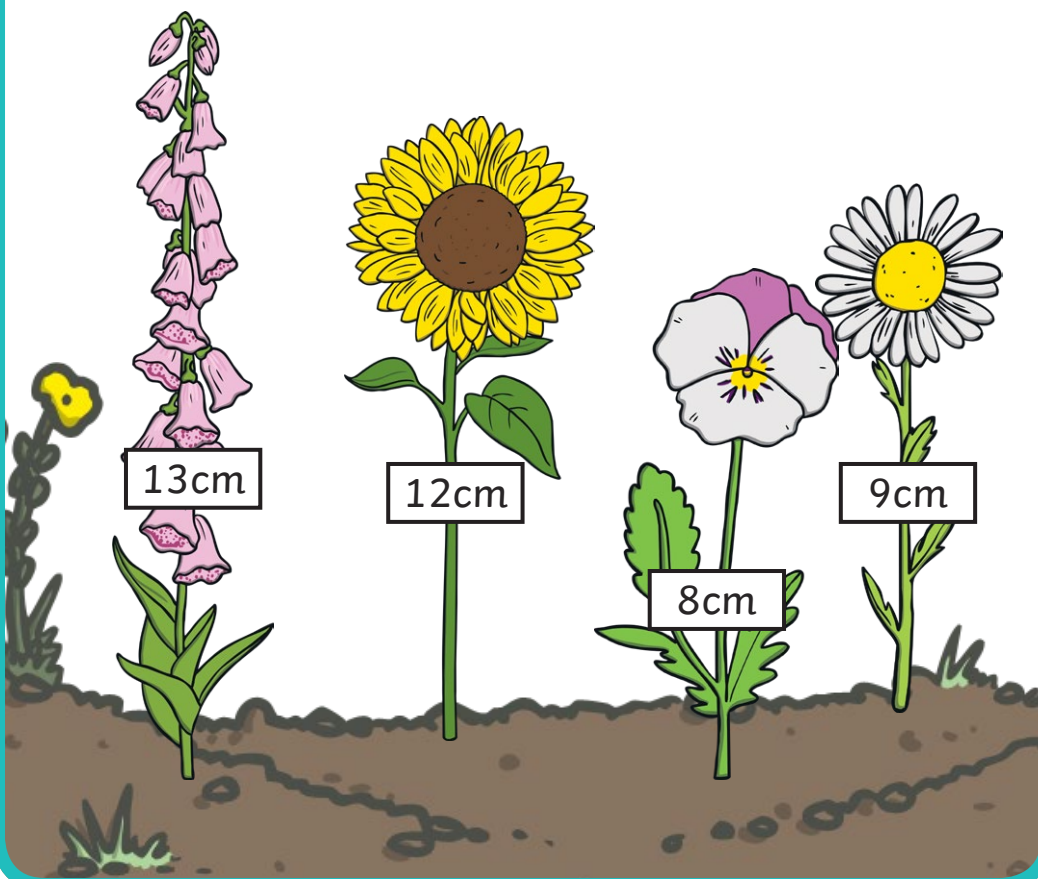


17cm

Growing

The children's plants have grown 4cm since they measured them.

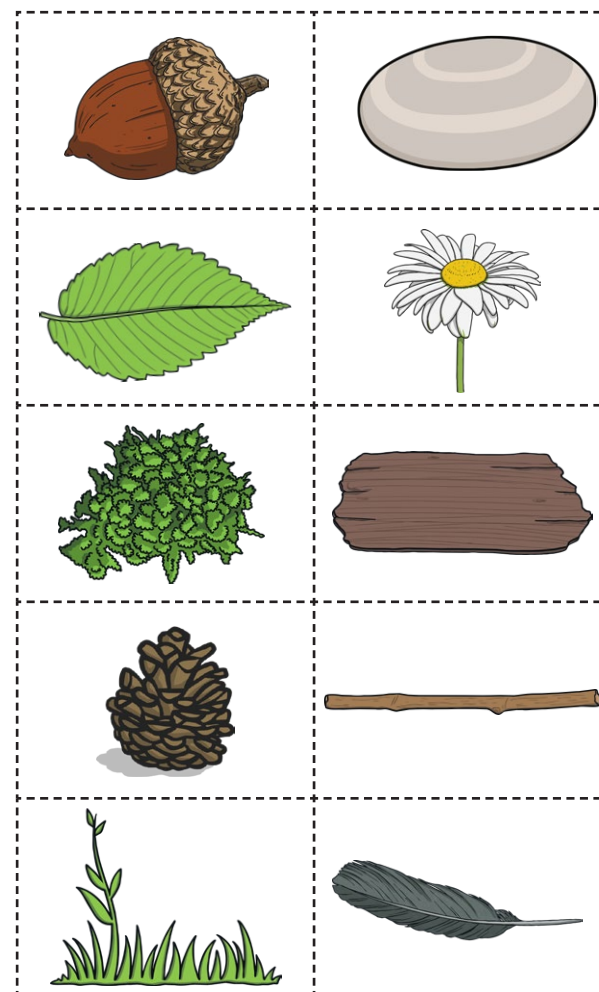
Can you work out their new heights?



Hiding

Play with a partner.

Cut out each of the objects. Take it in turns to hide some. Can your partner tell you how many are hidden? Can you write a number sentence?





1. Finding

$$1\text{cm} + 4\text{cm} = 5\text{cm}$$

$$1\text{cm} + 5\text{cm} = 6\text{cm}$$

$$1\text{cm} + 6\text{cm} = 7\text{cm}$$

$$1\text{cm} + 10\text{cm} = 11\text{cm}$$

$$4\text{cm} + 5\text{cm} = 9\text{cm}$$

$$4\text{cm} + 6\text{cm} = 10\text{cm}$$

$$4\text{cm} + 10\text{cm} = 14\text{cm}$$

$$5\text{cm} + 6\text{cm} = 11\text{cm}$$

$$5\text{cm} + 10\text{cm} = 15\text{cm}$$

$$6\text{cm} + 10\text{cm} = 16\text{cm}$$

If you allow the children to use the same object twice:

$$1\text{cm} + 1\text{cm} = 2\text{cm}$$

$$4\text{cm} + 4\text{cm} = 8\text{cm}$$

$$5\text{cm} + 5\text{cm} = 10\text{cm}$$

$$6\text{cm} + 6\text{cm} = 12\text{cm}$$

$$10\text{cm} + 10\text{cm} = 20\text{cm}$$

Answers

2. Chopping

$$10\text{cm} - 3\text{cm} = 7\text{cm}$$

$$12\text{cm} - 3\text{cm} = 9\text{cm}$$

$$7\text{cm} - 3\text{cm} = 4\text{cm}$$

$$17\text{cm} - 3\text{cm} = 14\text{cm}$$

3. Growing

$$9\text{cm} + 4\text{cm} = 13\text{cm}$$

$$12\text{cm} + 4\text{cm} = 16\text{cm}$$

$$13\text{cm} + 4\text{cm} = 17\text{cm}$$

$$8\text{cm} + 4\text{cm} = 12\text{cm}$$

Finding

Aisha says when she lines up the things she found, the line is exactly 20cm long.

What might she have found?



6cm



4cm



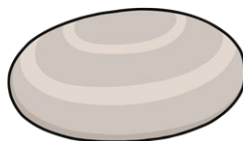
5cm



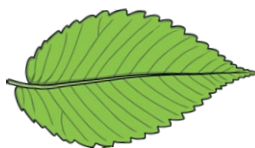
10cm



1cm



2cm



3cm



9cm

Chopping

Each child cuts 5cm off their sticks.

How long is each stick now?



12cm



14cm



16cm

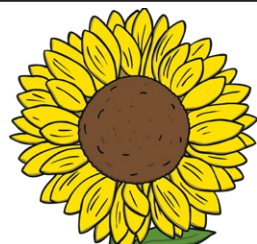


18cm

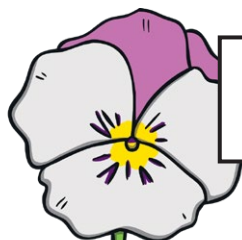
Growing

The children's plants have grown since they measured them. Can you work out how much each plant has grown?

Was 8cm,
now 14cm



Was 9cm,
now 12cm



Was 10cm,
now 10cm



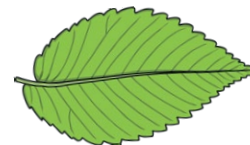
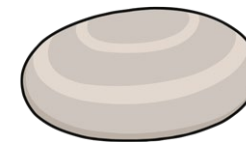
Was 13cm,
now 15cm



Hiding

Play with a partner.

Cut out each of the objects. Take it in turns to hide some. Can your partner tell you how many are hidden? Can you write a number sentence?





Answers

1. Finding

Feather, grass, acorn.

Feather, bark, flower.

Feather, moss, flower, acorn.

Feather, moss, stone, leaf.

Grass, bark, moss.

Grass, moss, flower, stone.

There are many more possibilities if you allow the children to use more than one of each object.

2. Chopping

$$12\text{cm} - 5\text{cm} = 7\text{cm}$$

$$14\text{cm} - 5\text{cm} = 9\text{cm}$$

$$16\text{cm} - 5\text{cm} = 11\text{cm}$$

$$18\text{cm} - 5\text{cm} = 13\text{cm}$$

3. Growing

$$9\text{cm} + 3\text{cm} = 12\text{cm}$$

$$13\text{cm} + 2\text{cm} = 15\text{cm}$$

$$8\text{cm} + 6\text{cm} = 14\text{cm}$$

$$10\text{cm} + 0\text{cm} = 10\text{cm}$$

The children might record these in different ways.