

## Functional Skills Maths Level 1 | Modelled Paper | Non-Calculator 1

1. Tim sees this advert.

Do a parachute jump for charity.  
 Raise a minimum of £450  
 One third of the £450 pays for the cost of the jump.

Work out the cost of the jump.

$$£450 \div 3 = £150$$

Use a reverse calculation to show a check of your answer.

$$£150 \times 3 = £450$$

2. Margaret grows sunflowers.

The shortest sunflower has a height of 1.6m

The tallest sunflower has a height of 2.83m

Margaret reads that the range of heights of sunflowers is 1.13m

Is 1.13m the correct range of heights for her sunflowers?

Show why you think this.

$$2.83 - 1.6 = 1.23$$

No, the correct range is 1.23m

3. Kelly wants to drive to a garden centre.

She knows it will take her 25 minutes to drive from home to the garden centre.

She plans to spend 20 minutes at the garden centre.

The garden centre closes at 17:30

What is the latest time Kelly can leave home?

$$20 + 25 = 45 \text{ min}$$

Latest time is 16.45

4. Ken want to cover part of his garden with gravel.

This part of the garden is in the shape of a square with side length 9 m.

Gravel cost £10 per square metre.

The delivery charge for gravel is £24.99

Work out the total cost of gravel and delivery for Ken.

Area of garden =  $9 \times 9 = 81$  metre squared

Cost of gravel =  $81 \times 10 = \text{£}810$

Total cost =  $\text{£}834.99$

## Functional Skills Maths Level 1 | Modelled Paper | Non-Calculator 1

1. Tim sees this advert.

Do a parachute jump for charity.  
Raise a minimum of £750  
One third of the £750 pays for the cost of the jump.

Work out the cost of the jump.

Use a reverse calculation to show a check of your answer.

2. Margaret grows sunflowers.

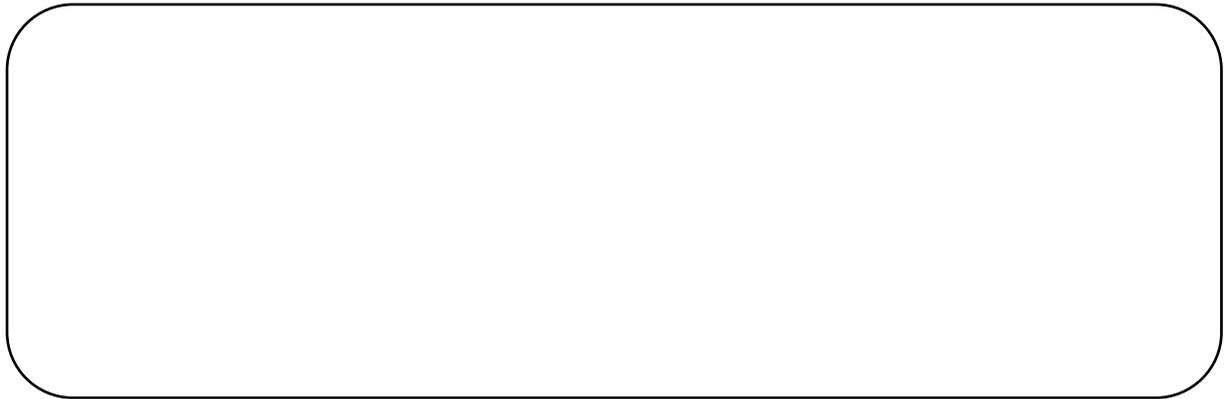
The shortest sunflower has a height of 1.5m

The tallest sunflower has a height of 2.63m

Margaret reads that the range of heights of sunflowers is 1.13m

Is 1.13m the correct range of heights for her sunflowers?

Show why you think this.



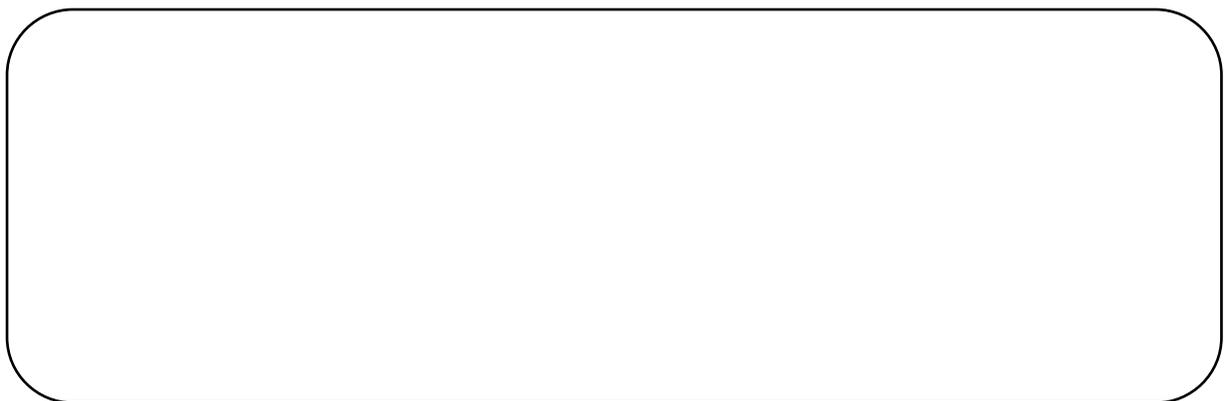
3. Kelly wants to drive to a garden centre.

She knows it will take her 15 minutes to drive from home to the garden centre.

She plans to spend 30 minutes at the garden centre.

The garden centre closes at 16:30

What is the latest time Kelly can leave home?



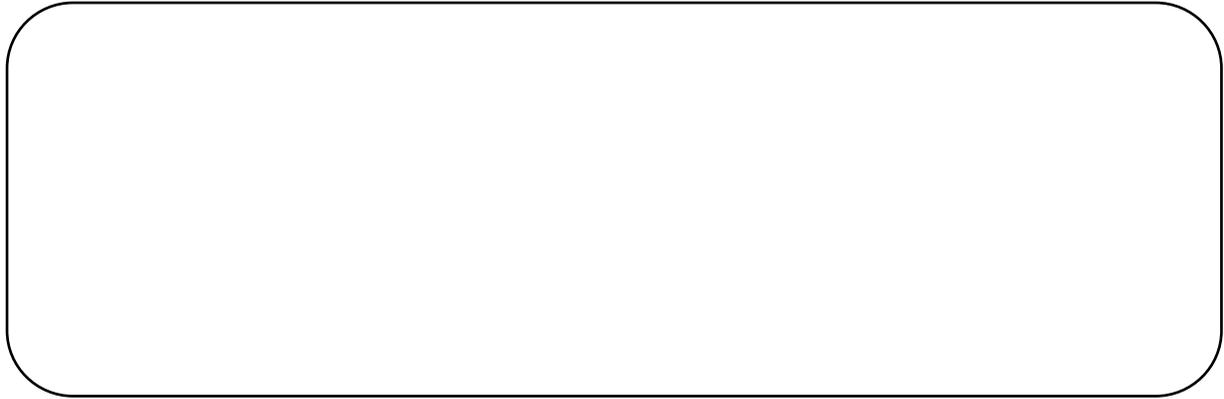
4. Ken want to cover part of his garden with gravel.

This part of the garden is in the shape of a square with side length 8 m.

Gravel cost £10 per square metre.

The delivery charge for gravel is £24.99

Work out the total cost of gravel and delivery for Ken.



Answers

1. £250

$$£250 \times 3 = £750$$

2. Yes, as the range of Margaret's flowers is 1.13m

3. 15:45 or 3:445pm

4. £264.99