

Canonbury Home Learning

Year 6 Maths

Developing/ Expected/ Greater depth activity

Lesson 1

LO: TBAT solve word problems.

Task: This week you will be designing a Lunar theme park.

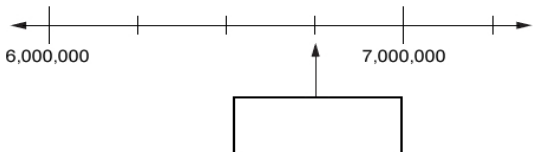
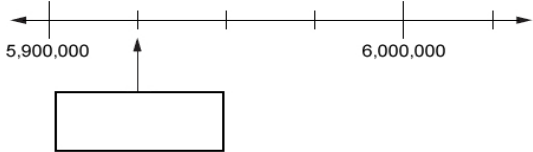
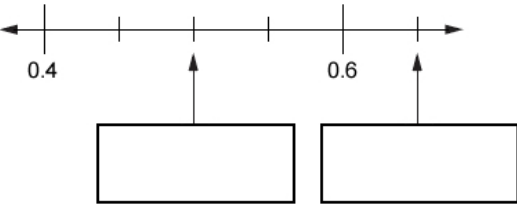


Success Criteria:

- | |
|--|
| 1. Read the brief. |
| 2. Take note of your spending limit. |
| 3. Design and draw your theme park on squared paper. |

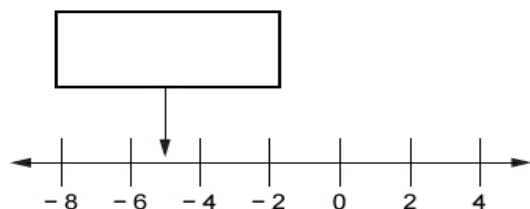


Year 6 Maths

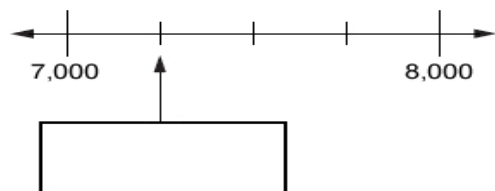
Main activity

Task 1	Task 2	Task 3
<p>Problem solving Use number lines to find the missing values.</p> <p>Q1. Here is part of a number line. Write the number shown by the arrow.</p>  <p>Here is part of another number line. Write the number shown by the arrow.</p>  <p>Q2. Here is part of a number line. Write the numbers shown by the arrows.</p> 	<p>Arithmetic</p> <p>15 $\frac{2}{3}$ of 24 =</p> <hr/> <p>16 $+ \begin{array}{r} 12.5 \\ 87.6 \end{array}$</p> <hr/> <p>17 $\times \begin{array}{r} 281.4 \\ 3 \end{array}$</p> <hr/> <p>18 $0.08 \times 9 =$</p>	<p>Project The Brief</p> <div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p>Lunar THEME PARK</p> <hr style="width: 20%; margin: 0 auto;"/> </div>  </div> <p>The year is 2050. Man is now colonising the moon and you have decided to open the first lunar theme park in history.</p> <p style="text-align: center;">Your spending limit is £500 000</p> <ul style="list-style-type: none"> You must carefully decide what sort of rides you are going to have. You also need to think about the other facilities visitors will need when they come to your theme park like toilets, cafes, shops and paths between all the facilities and rides. Many theme parks have different areas that are 'themed'. In other words they might have an African area, a wild west American area or an Old England area. Think carefully about what you want to have in yours.

Q3.
Here is part of a number line.
Write the number shown by the arrow.



Q4.
Here is part of a number line.
Write the number shown by the arrow.



19 $2416 \div 8 =$

20 $\frac{1}{9}$ of 549 =

21 $\times \begin{array}{r} 35 \\ 81 \end{array}$



Lunar THEME PARK



Set up your theme park.

Your spending limit is £500 000. Design and draw your theme park on the squared paper. You must not go over your spending limit and you must have car parks, toilets, paths to connect all the items, cafes and shops for your visitors, not just rides.

Item	Number of squares	Cost
Major ride	9	£50 000
Minor ride	6	£20 000
Café	4	£10 000
Shop	4	£7 000
Vending machine	1	500
Toilets	4	£1 000
Paths		£40 per 1cm length (Paths can be drawn using a single line)
Lake		£5 000 per square
Car park		£500 per square