Year 6 Maths

Developing/ Expected/ Greater depth activity

Lesson 3

LO: TBAT solve word problems.

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

Success Criteria:

1. Complete yesterday's costings activities.
2. Decide on an entrance price.
3. Multiply the cost by the different visitor numbers.

Use long multiplication to find the visitor costings.

$$382 \times 16$$

$$
\begin{array}{r}
3\ 8\ 2 \\
\times\ \ \ 1\ 6 \\
\hline
3\ 8\ 2\ 0 \\
2\ 2\ 9\ 2 \\
1\ 1 \\
\hline
6\ 1\ 1\ 2 \\
\end{array}
$$

Find the total

Year 6 Maths
Main activity

Task 1	Task 2	Task 3

Task 1

Problem solving
TBAT find number patterns and sequences.

Q1.
Write the missing numbers in the sequence

	6,742,000	6,842,010	6,942,020	

Q2.
Write the three missing numbers in the empty boxes.

+10 →

+10,000 ↓

	45,170	45,180	45,190	
	55,170			
	65,170			

Q3.
Write the missing numbers in the sequence.

	467,050	468,050	469,050	

Q4.
Write the missing numbers in this sequence.

	2.47	2.48	2.49	

Task 2

Arithmetic

1	$16 - 20 =$
2	$236 - 30 \times 6 =$
3	$368{,}701 + 10{,}000 + 10{,}000 =$
4	$2{,}954 \times 9 =$
6	$3{,}300 \div 30 =$
7	$328{,}088 + 75{,}253 =$
8	$42{,}000 \div 70 =$

Task 3

Project
Work out the entrance fee for visitors.

Lunar THEME PARK

3. Decide on a price per person to enter your theme park.
You must make it cheap enough to attract visitors but enough to make a profit.

Decide on your price and enter it here £ _____

Day	No of visitors	Takings	Day	No of visitors	Takings
1	224		16	854	
2	132		17	375	
3	264		18	855	
4	398		19	964	
5	433		20	433	
6	253		21	275	
7	176		22	843	
8	157		23	1108	
9	524		24	423	
10	732		25	2867	
11	523		26	3853	
12	689		27	7443	
13	396		28	8465	
14	265		29	7423	
15	198		30	9426	