

Math PBL



Design a Hotel



The Task:
To create a new hotel for your town, with a budget of \$500,000

- Included Concepts:**
- Multiplication
 - Large numbers
 - Money
 - Estimation

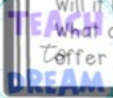


Requirements:

Rooms need to have the minimum basics: bed, side table, TV, shower, toilet, storage.

The hotel needs to cater for various guests including; singles, couples and families – and needs to have appropriate rooms for this.

- How many rooms will your hotel have?
- Will it be a budget or five star hotel?
- What other facilities/ amenities will you offer to attract more guests?



Mini Math Project

Costings:

Single bed	\$500
Double bed	\$750
Queen bed	\$1,000
Side table	\$100
TV	\$500
Shower	\$1,000
Bath	\$1,500
Spa bath	\$2,000
Toilet	\$1,000
Wardrobe/ Cupboard	\$400
Common areas: Gym and/ or pool	\$10,000 (each)
Lobby/ check in area - Budget	\$1000
- Deluxe	\$6,000
Mini bar fridge	\$200
Kitchenette	\$2,500



Students Will Love!

Detailed Student Outline with Concepts & Steps Covered



Design a Hotel



The Task:

To create a new hotel for your town, with a budget of \$500,000

- Included Concepts:
- Multiplication
 - Large numbers
 - Money
 - Estimation



Requirements:

Each room must have the minimum basics; TV, shower, toilet, storage.

Rooms must be able to cater for various guests (singles, couples and families) – and appropriate rooms for this.

What amenities will your hotel have?
How many star hotel?
What facilities will you offer?
What services will you offer?
What are the costs?

Mini Math Project

Costings:

Single bed	
Double bed	
Queen bed	
Side table	\$500
TV	\$1,000
Shower	\$1,500
Bath	\$2,000
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Lobby/ check in area - Budget	\$6,000
- Deluxe	\$200
Mini bar fridge	\$2,500
Kitchenette	


Easy to Use Worksheets Included


8 - 2 = 6 9 + 1 = 10 7 - 4 = 3 5 + 4 = 9


Sketch of Each Hotel Room Type (single, couple, family, budget, deluxe etc)

1 + 2 = 3 9 - 4 = 5 10 - 6 = 4

6 + 4 = 10


Room type: 

Room type: 



Total Costing for Entire Hotel

	Cost	Quantity	Total cost
ed	\$500		
nd	\$750		
	\$1,000		
	\$100		
	\$500		
	\$1,000		
	\$1,500		
	\$2,000		
	\$1,000		
	\$400		
d/ or pool	\$10,000 (each)		
udget	\$1000		
ixe	\$6,000		
M	\$200		
Ki	\$2,500		



Digital & Printable

Google Slides

Option

Cost Per Room Type

Item	Cost	Quantity	Total cost

Item	Cost	Quantity	Total cost

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Quick Teacher & Self / Peer Assessment

Assessment

Mini Math Project: Design a Hotel

Concepts accurately covered	/5
All sections completed to a high standard	/5
Clearly shows mathematical thinking/ working out	/5
On task work ethic	/5
Total:	/20

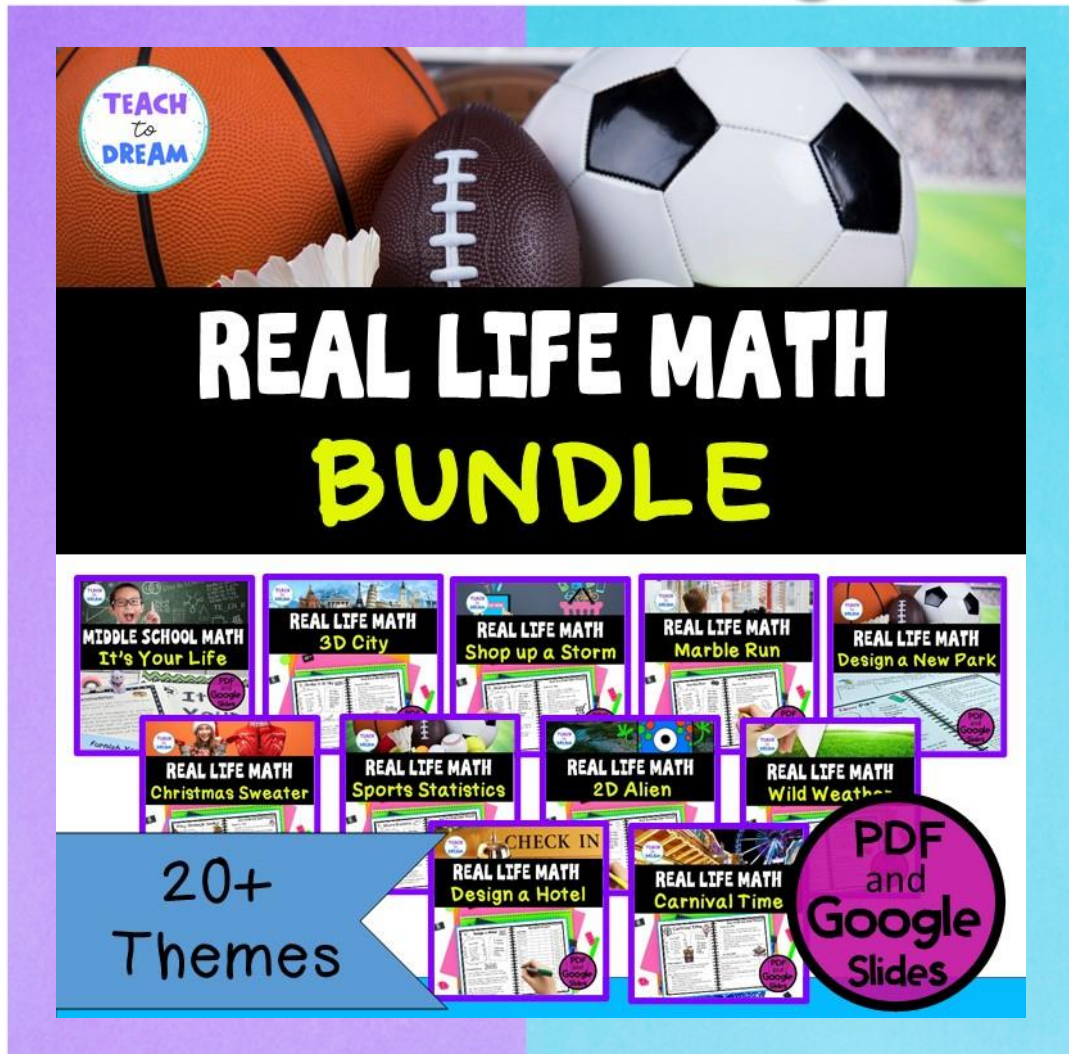
Comment:

Self/ Peer Assessment:

Mini Math Project: Design a Hotel

Shows mathematical thinking	1 2 3 4 5
Easy to follow/ understand	1 2 3 4 5
Mathematical concepts are completed accurately	1 2 3 4 5
On task work ethic during lessons/ task assignment	1 2 3 4 5
Best part of the project	Ideas for improvement ^{/20}

Interested in PBL writing Tasks that Engage?



TEACH to DREAM

REAL LIFE MATH BUNDLE

MIDDLE SCHOOL MATH
It's Your Life

REAL LIFE MATH
3D City

REAL LIFE MATH
Shop up a Storm

REAL LIFE MATH
Marble Run

REAL LIFE MATH
Design a New Park

REAL LIFE MATH
Christmas Sweater

REAL LIFE MATH
Sports Statistics

REAL LIFE MATH
2D Alien

REAL LIFE MATH
Wild Weather

20+ Themes

CHECK IN
REAL LIFE MATH
Design a Hotel

REAL LIFE MATH
Carnival Time

PDF and Google Slides

The advertisement features a central image of a basketball, a football, and a soccer ball. Below this, the text 'REAL LIFE MATH BUNDLE' is prominently displayed. A collection of ten smaller images shows various math project themes, each with a title and a small '20+ topics' badge. A blue banner on the left indicates '20+ Themes', and a purple circle on the right specifies 'PDF and Google Slides'. A 'CHECK IN' badge is also present over one of the project thumbnails.

Click to SAVE time & Money.