

Teach
to
Dream

Real World Math Projects

Grades 3-6

Shop up a Storm

- Percentages
- decimals

LEMONADE



Perfect for:

- * End of unit assessment
- * Fast finishers
- * Homework assignment

Task outline, Worksheets & Assessment Included!

Real World Mini Math Project

Shop up a Storm

The Task:
To use catalogues to go on a \$200 shopping spree

Included Concepts:
Money
Able to work out a percentage discount and calculate the new price
Adding with decimals

Requirements:
You will use catalogues to go on a shopping spree 'with' \$200. You need to purchase at least 6 items
Each of the items will be discounted by a certain percentage (of your choosing) at the following prices:

Steps to Take:

1. Collect a range of catalogues.
2. Decide on how much discount you will give each item.
3. Work out the percentage of the discount.
4. Use this to calculate the new price.
5. Record all of your information.
6. Keep a running total of your new prices, so you know when you have spent \$200.

Assessment:

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

© Teach to Dream



Shop up a Storm

The Task:

To use catalogues to go on a \$200 shopping spree.

Included Concepts:
Money
How to work out percentage discount and calculate the new price
Adding with decimals



Requirements:

You will use catalogues to go on a shopping spree 'with' \$200. You need to purchase at least 6 items.

Each of the items will be discounted by a certain percentage (of your choosing).

You may discount the following:

- Up to two items by 50%
- Up to three items by 20%
- Up to five items by 10%
- Up to two items by 25%

Real World Mini Math Project

Steps to Take:

1. Collect a range of catalogues.
2. Decide on how much discount you will give each item.
3. Work out the percentage of the discount.
4. Use this to calculate the new price.
5. Record it for information.
6. Keep a running total of your new prices, so you know when you have spent \$200



Assessment:

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



Shop up a Storm



The Task:

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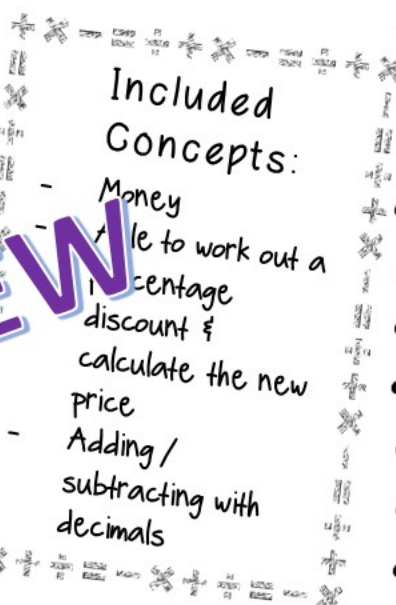
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To use catalogues to go on a \$200 shopping spree.



Included Concepts:

- Money
- able to work out a percentage discount & calculate the new price
- Adding / subtracting with decimals

Requirements:

You will use catalogues to go on a shopping spree 'with' \$200. You need to purchase at least 6 items.

Each of the items will be discounted by a certain percentage (of your choosing).

You may discount the following:

- Up to two items by 50%
- Up to three items by 20%
- Up to five items by 10%
- Up to two items by 25%

Real World Mini Math Project

Steps to Take:

1. Collect a range of catalogues.
2. Decide on how much discount you will give each item.
3. Work out the percentage of the discount.
4. Use this to calculate the new price.
5. Record it for information.
6. Keep a running total of your new prices, so you know when you have spent \$200



Assessment:

Can accurately add with decimals	15
Can correctly work out the percentage of an amount	15
Can accurately work out the new price once a certain percentage has been applied	15
Can work with a set budget	15
Clearly shows mathematical thinking/ working out	15
Comment:	120

Assessment

Mini Math Project: Shop up a Storm

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

Comment:

PREVIEW

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

Self/ Peer Assessment:

Mini Math Project: Shop up a Storm

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
Total:	/20

Best part of the project	Teacher's comment
PREVIEW	

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

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

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

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

Mathematical Thinking / Working out Page



PREVIEW



PREVIEW

PREVIEW

$5 - 4 = 1$ $7 + 2 = 9$ $6 + 4 = 10$
 $3 + 5 = 8$ $7 - 3 = 4$
 $8 - 6 = 2$ $10 - 7 = 3$ $8 - 8 = 0$



Shop UP a Storm



Item	Original Price	Percentage discount	New Price	Running total
Example: T-shirt	\$20	50% $50/100 = 0.5$ $0.5 \times 20 = \$10$	\$20 - \$10 New Price \$10	\$10
PREVIEW			PREVIEW	
PREVIEW			PREVIEW	



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