

Canonbury Home Learning

Year 6 Maths

Developing/ Expected/ Greater depth activity

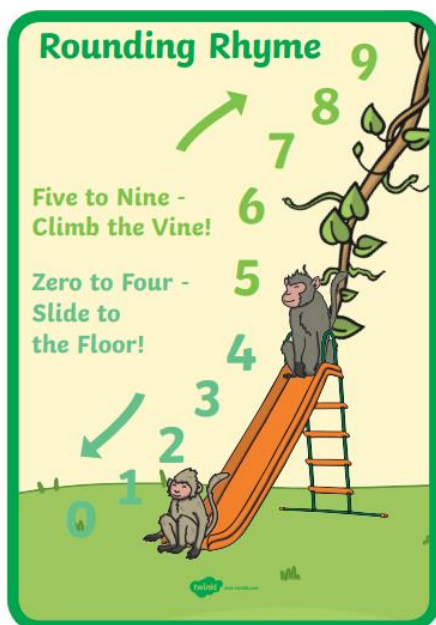
Lesson 5

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. Read the advertising brief. |
| 3. Design your advertisement. |




How does persuasive writing help to sell a product or service?

- It helps to aim the advert at a particular **type of customer**.
- It sends a **positive message** about the product or service.
- It makes it appeal to the reader's **personality**.
- Its purpose is to **sell** to people.



What types of things do adverts promise you?

- To **solve** all your **problems**.
- This product will change **your life**.
- You **won't find a better** product.
- All the **cool people** are buying it - you will be too.
- You'll be **happy** if you buy this product.
- You will **miss out** in life **without it**.

How do adverts catch your attention and stick in your memory?

- They **focus on a sense** e.g. taste or yours and cater to it. 
- They use **humour** to make you like them.
- Use **positive comments** made by other customers.
- They ask **questions** to hook you in.
- They use **alliteration, rhyme and word play** to come up with **catchy slogans**.

Year 6 Maths
Main activity

Task 1	Task 2	Task 3																												
<p>Problem solving TBAT solve problems involving rounding numbers.</p> <p>Q1.</p> <p>Arrangements Here are some number cards:</p> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div style="border: 1px solid black; padding: 2px 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">7</div> <div style="border: 1px solid black; padding: 2px 5px;">3</div> <div style="border: 1px solid black; padding: 2px 5px;">5</div> </div> <p>You can use each card once to make the number 1,735, like this:</p> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div style="border: 1px solid black; padding: 2px 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">7</div> <div style="border: 1px solid black; padding: 2px 5px;">3</div> <div style="border: 1px solid black; padding: 2px 5px;">5</div> </div> <p>(a) What is the biggest number you can make with the four cards?</p> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> <p>(b) Explain why you cannot make an even number with the four cards.</p> <hr style="width: 200px; margin-left: 0;"/> <p>(c)</p> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div style="border: 1px solid black; padding: 2px 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">7</div> <div style="border: 1px solid black; padding: 2px 5px;">3</div> <div style="border: 1px solid black; padding: 2px 5px;">5</div> </div> <p>Use some of the four number cards to make numbers that are as close as possible to the numbers written below.</p> <p>Examples</p> <p>80 → <div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;">7 5</div></p> <p>30 → <div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;">3 1</div></p> <p>You must not use the same card more than once in each answer.</p> <p>50 → <div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> </div></p> <p>60 → <div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> </div></p> <p>4000 → <div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> </div></p>	<p>Arithmetic</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; background-color: #4a86e8; color: white;">17</div> <p>444,005 - ? = 22,006</p> <hr style="border: 0.5px solid black;"/> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; background-color: #4a86e8; color: white;">18</div> <p>6.3 + 100 =</p> <hr style="border: 0.5px solid black;"/> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; background-color: #4a86e8; color: white;">19</div> <p>0.3 × 12 =</p> <hr style="border: 0.5px solid black;"/> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; background-color: #4a86e8; color: white;">20</div> <p>340.27 - 3.905 =</p>	<p>Project Advertising</p> <div style="text-align: center; margin-top: 20px;">  Lunar THEME PARK  </div> <hr style="width: 80%; margin: 10px auto;"/> <p style="text-align: center; font-weight: bold;">ADVERTISING BUDGET</p> <p>5. Advertising! <i>You have to decide on the type of advertising you want to use to promote your theme park. The costs of the different types is given below.</i></p> <ul style="list-style-type: none"> Design your advert. Present it to the class. <p><i>Your class will give you a rating of 1, 2 or 3 depending on how good they think your advert is, 1 being the best. The number of extra visitors your advert will bring in per day depends on your rating.</i></p> <ul style="list-style-type: none"> Work out the total extra profit you will get from your advertising. Was your advertising worth the cost? Was your advertising successful? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th colspan="2" style="text-align: center;">Method</th> <th style="text-align: center;">Leaflet</th> <th style="text-align: center;">Radio</th> <th style="text-align: center;">TV</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">Cost</td> <td style="text-align: center;">£10 000</td> <td style="text-align: center;">£15 000</td> <td style="text-align: center;">£30 000</td> </tr> <tr> <td rowspan="3" style="text-align: center; vertical-align: middle;">Rating</td> <td style="text-align: center;">1</td> <td style="text-align: center;">100</td> <td style="text-align: center;">150</td> <td style="text-align: center;">200</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">50</td> <td style="text-align: center;">100</td> <td style="text-align: center;">140</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">20</td> <td style="text-align: center;">40</td> <td style="text-align: center;">80</td> </tr> <tr> <td colspan="2"></td> <td colspan="3" style="text-align: center;">Extra visitors per day</td> </tr> </tbody> </table>	Method		Leaflet	Radio	TV	Cost		£10 000	£15 000	£30 000	Rating	1	100	150	200	2	50	100	140	3	20	40	80			Extra visitors per day		
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1500 →

1600 →

Q2.

Mr Tyler is 1.97 m tall.
His young daughter is 83 cm tall.

What is the **difference** in their heights, **to the nearest 10 cm**?

Q3.

Annie swims on average 0.87 km in 30 minutes.
If she continues at the same speed, how far will she swim in 2 hours, rounded to one decimal place?

Circle your answer.

3.2 km 3.3 km 3.4 km 3.5 km 3.6 km

Q4.

96 pupils and teachers go by minibus to the sports tournament.
How many 15-seater minibuses will be required?

 minibuses

22

$238.1 \times 1000 =$

23

$50 \times 80 - 40 =$

24

$8 + 7 \times 3 - 4 =$