

Year 6 Maths

Developing activity

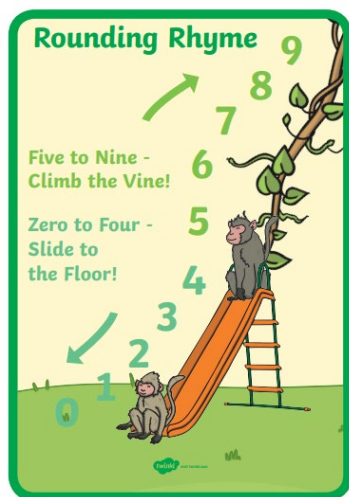
Lesson 4

LO: TBAT round numbers to the nearest million.

Success Criteria:

1. Read the number.
2. Identify the place value that will help you round the number.
3. Round the number to the nearest that the question asks.
4. Check your answer.

Model



1,000,000s	100,000s	10,000s	1,000s	100s	10s	1s	0.1s	0.01s	0.001s
							$\frac{1}{10}$ s	$\frac{1}{100}$ s	$\frac{1}{1000}$ s

Now try...

1a. Which two numbers will round to the same value when rounded to the nearest 1,000,000?

	Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
a							

b c

2a. Which numbers round to 3,000,000 when rounding to the nearest 1,000,000?

3a. Tick to show whether the number rounds to 4,000,000 or 5,000,000 to the nearest 1,000,000.

Number	Rounds to 4,000,000	Rounds to 5,000,000
4,144,831		
4,531,258		
4,776,012		

4a. Round the number below to the nearest 1,000,000.

Canonbury Home Learning

Year 6 Maths

Expected/ Greater depth activity

Lesson 4

LO: TBAT solve problems involving money.

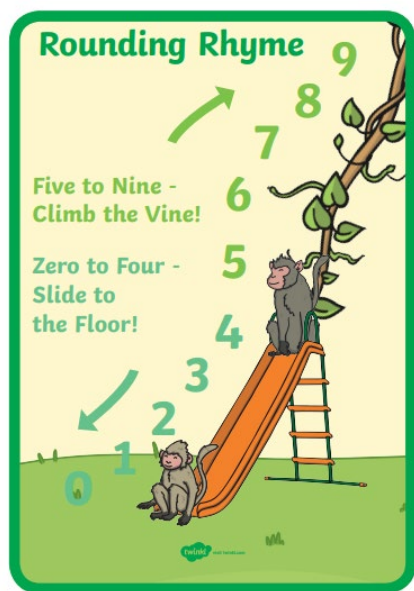
Task:

You are going apply your knowledge of rounding numbers to solve several problems.

Success Criteria:

1. Read the number.
2. Identify the place value that will help you round the number.
3. Round the number to the nearest that the question asks.
4. Check your answer.

Recap:



1,000,000s	100,000s	10,000s	1000s	100s	10s	1s	0.1s	0.01s	0.001s
x1000	x100	x10					$\frac{1}{10}$ s	$\frac{1}{100}$ s	$\frac{1}{1000}$ s

Rounding Rules

- Find the place value and circle the digit.
(Example: If you are rounding to the nearest tens, circle the tens place)
1257
- Move to the right of the circled number and underline that digit.
1257
- Zero to four, the circled digit stays the same.
But, five to nine adding 1 is the game.
(In the example, the underlined number is between 5 and 9. So, we need to add 1 to the circled number)
1267
- Now flex your muscles just like a hero. Digits to the right, change to the zero.
1260
- All the other numbers, they stay the same.
Yahoo!! you are a winner at the rounding game.

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Year 6 Maths

Main activity

Complete at least 2 columns, more if you can!

Task 1	Task 2	Task 3	Task 4																										
<p>Practice</p> <p>5a. Which two numbers will round to the same value when rounded to the nearest 10,000?</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>Millions</td> <td>Hundred thousands</td> <td>Ten thousands</td> <td>Thousands</td> <td>Hundreds</td> <td>Tens</td> <td>Ones</td> </tr> <tr> <td>●●●</td> <td>●</td> <td>●●●</td> <td>●●●</td> <td>●●●</td> <td></td> <td>●●</td> </tr> </table> <p>a</p> <p>b 2,158,011 c Two million, one hundred and fifty-one thousand, nine hundred</p> <p>6a. Which numbers round to 2,000,000 when rounding to the nearest 1,000,000?</p> <p>2,565,705 1,625,900</p> <p>Two million, three hundred and fifty-five thousand, eight hundred and five</p> <p>7a. Tick to show whether the number rounds to 2,900,000 or 3,000,000 to the nearest 100,000.</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <th>Number</th> <th>Rounds to 2,900,000</th> <th>Rounds to 3,000,000</th> </tr> <tr> <td>2,858,790</td> <td></td> <td></td> </tr> <tr> <td>3,015,830</td> <td></td> <td></td> </tr> <tr> <td>2,945,745</td> <td></td> <td></td> </tr> </table> <p>8a. Round the number below to the nearest 10,000, 100,000 and 1,000,000.</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 10px auto;"> <p>Two million, seven hundred and five thousand, six hundred and fifty-four.</p> </div>	Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	●●●	●	●●●	●●●	●●●		●●	Number	Rounds to 2,900,000	Rounds to 3,000,000	2,858,790			3,015,830			2,945,745			<p>Arithmetic</p> <p>22 $23.8 + 1000 =$</p> <p>23 $63.6 \times 7 =$</p> <p>24 $\frac{5}{6} - \frac{2}{3} =$</p> <p>25 $0.6 = \frac{?}{20}$</p> <p>26 $\frac{4}{7} + 2 =$</p> <p>27 $\frac{1}{4} \times \frac{3}{7} =$</p> <p>28 $2\frac{1}{8} - \frac{1}{4} =$</p>	<p>Problem Solving</p> <p>Q1.</p> <p>Round 84,516</p> <p>to the nearest 10 <input style="width: 100px; height: 20px;" type="text"/></p> <p>to the nearest 100 <input style="width: 100px; height: 20px;" type="text"/></p> <p>to the nearest 1,000 <input style="width: 100px; height: 20px;" type="text"/></p> <p>Q2.</p> <p>Ali puts these five numbers in their correct places on a number line.</p> <p>511 499 502 555 455</p> <p>Write the number closest to 500</p> <p>Write the number furthest from 500</p> <p>Q3.</p> <p>The difference between two numbers is 2</p> <p>When each number is rounded to the nearest hundred, the difference between them is 100</p> <p>Write what the two numbers could be.</p> <p><input style="width: 60px; height: 30px;" type="text"/> and <input style="width: 60px; height: 30px;" type="text"/></p>	<p>Reasoning</p> <p>4.</p> <p>Circle the number which is closer to 1000</p> <p style="text-align: center;">996 1006</p> <p>Explain how you know.</p> <div style="border: 1px solid black; border-radius: 50%; width: 200px; height: 100px; margin: 20px auto;"></div> <p>Q5.</p> <p>Runa and Jon each start with the same number.</p> <p>Runa rounds the number to the nearest hundred.</p> <p>Jon rounds the number to the nearest ten.</p> <p>Runa's answer is double Jon's answer.</p> <p>Explain how this can be.</p> <div style="border: 1px solid black; border-radius: 50%; width: 200px; height: 100px; margin: 20px auto;"></div>
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