Canonbury Home Learning

Year 6 Maths

Developing activity

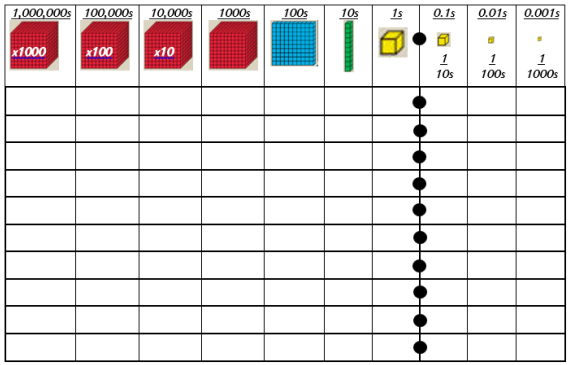
Lesson 4

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



Now try…

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

a

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●● ●	●● ●●	●● ●●	●●	●● ●● ●	●	●●

b 3,157,995 c 3,713,482

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

3,571,602 3,429,450

2,814,304 2,416,530

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.

7,503,142

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Year 6 Maths

Expected/ Greater depth activity

Lesson 4

LO: TBAT solve problems involving money.

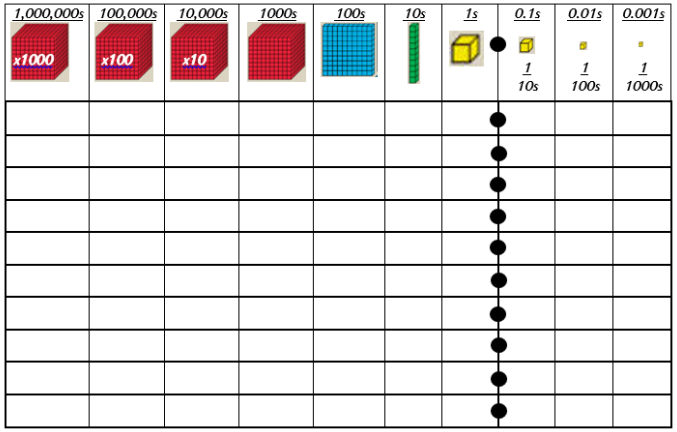
Task:

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:



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Year 6 Maths

Main activity

Complete at least 2 columns, more if you can!

Task 1

Practice

5a. Which two numbers will round to the same value when rounded to the nearest 10,000?

a

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
●●	●	●● ●●	●● ●● ●	●● ●● ●●		●● ●

b 2,158,011

c Two million, one hundred and fifty-one thousand, nine hundred

6a. Which numbers round to 2,000,000 when rounding to the nearest 1,000,000?

2,565,705 1,625,900

Two million, three hundred and fifty-five thousand, eight hundred and five

7a. Tick to show whether the number rounds to 2,900,000 or 3,000,000 to the nearest 100,000.

Number	Rounds to 2,900,000	Rounds to 3,000,000
2,858,790		
3,015,830		
2,945,745		

8a. Round the number below to the nearest 10,000, 100,000 and 1,000,000.

Two million, seven hundred and five thousand, six hundred and fifty-four.

Task 2

Arithmetic

22 $23.8 \div 1000 =$

23 $63.6 \times 7 =$

24 $\frac{5}{6} - \frac{2}{3} =$

25 $0.6 = \frac{?}{20}$

26 $\frac{4}{7} \div 2 =$

27 $\frac{1}{4} \times \frac{3}{7} =$

28 $2\frac{1}{8} - \frac{1}{4} =$

Task 3

Problem Solving

Q1.

Round **84,516**

to the nearest 10 ☐

to the nearest 100 ☐

to the nearest 1,000 ☐

Q2.

Ali puts these five numbers in their correct places on a number line.

511 499 502 555 455

Write the number **closest** to 500

Write the number **furthest** from 500

Q3.

The **difference** between two numbers is 2

When each number is rounded to the nearest hundred, the difference between them is 100

Write what the two numbers could be.

☐ and ☐

Task 4

Reasoning

4.

Circle the number which is **closer to 1000**

996 1006

Explain how you know.

Q5.

Runa and Jon each start with the same number.

Runa rounds the number to the nearest hundred.

Jon rounds the number to the nearest ten.

Runa's answer is double Jon's answer.

Explain how this can be.