

Friday 14th – Dividing – interpreting remainders – further reasoning/application

Today you will continue to focus on dividing with remainders. Read the questions carefully as you may need to round your answer up or down depending on the context of the question.

BUS STOP DIVISION

$$142 \div 4 = 35 \cdot 5$$

r2

$$\begin{array}{r} 0 \ 3 \ 5 \cdot 5 \\ 4 \overline{) 1 \ 4 \ 2 \cdot 0} \end{array}$$

$2/4 = 1/2 = 0.5$

$$186 \div 6 =$$

	0	3	1
6	1	8	6

no groups of 6
can be made

3 × 6 = 18

1 × 6 = 6

1.

‣ Muffins are packed in trays of 6 in a factory.
In one day, the factory makes 5,623 muffins.
How many trays do they need?
How many trays will be full?
Why are your answers different?
2.

‣ For the calculation $8,035 \div 4$

 - Write a number story where you round the remainder up.
 - Write a number story where you round the remainder down.
 - Write a number story where you have to find the remainder.

Q
3. 80 people need to get to the football match. They travel by mini bus which can hold 13 people. How many mini buses are needed to get everyone to the match?

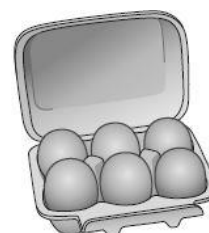
4. A farmer is packing eggs.

Each box holds **six** eggs.

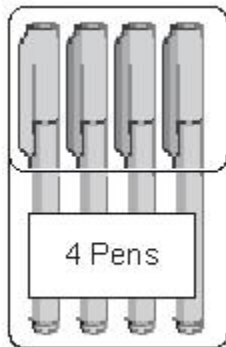
The farmer has 980 eggs to pack.

How many boxes can the farmer **fill** using 980 eggs?

How many will be left over?



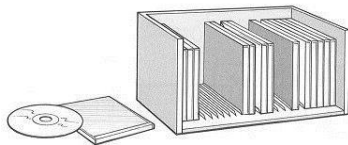
5. 75 children need **one** pen each.



Pens are sold in packs of 4

How many packs of pens need to be bought?

6. Here is a CD rack.



One rack holds **25** CDs.

David has **83** CDs.

How many racks does he need to hold **all** his CDs?

Lin has **6** racks **full** of CDs.

How many CDs does Lin have altogether?

7. Plastic cups are sold in packs of 8

Laura needs 127 cups.



How many packs must she buy?