

Week beginning 01/06/20

These are activities to complete throughout the week. The idea is to complete one each day. It is not necessary to print the sheets as you could draw or write your answers on paper.

Please remember to practise times tables as often as possible making sure you are secure with the 2, 5 and 10 times tables before moving on to the 3, 4 and 8 times tables.

Additional resources (weekly presentations and downloadable workbooks)

<https://whiterosemaths.com/homelearning/year-3/>

<https://www.ncetm.org.uk/resources/54454>

<https://www.mathematicsmastery.org/free-resources>

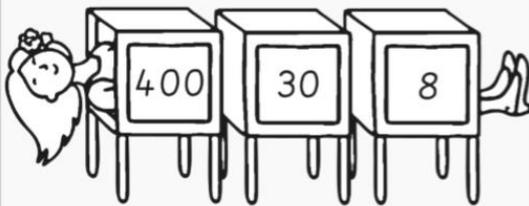
Activity 1- Partitioning in to ones, tens and hundreds



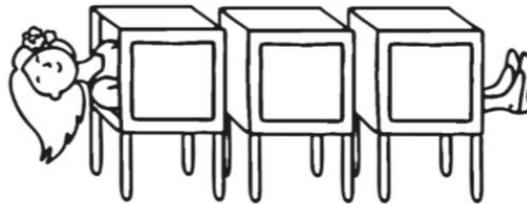
Can you put these numbers into hundreds, tens and units?

For example:

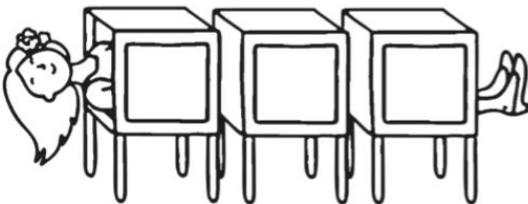
$$438 =$$



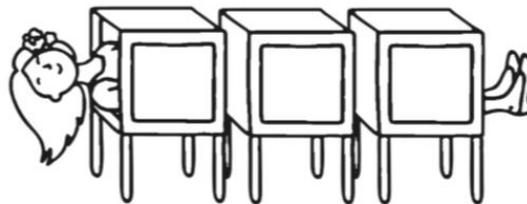
$$529 =$$



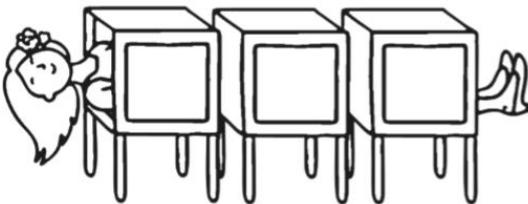
$$296 =$$



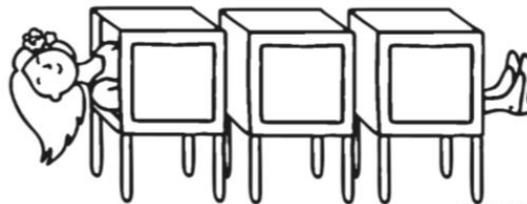
$$381 =$$



$$173 =$$



$$945 =$$



1. $\begin{array}{|c|c|} \hline 4 & 7 \\ \hline \end{array} = \begin{array}{|c|} \hline 40 \\ \hline \end{array} + \begin{array}{|c|} \hline 7 \\ \hline \end{array}$

2. $\begin{array}{|c|c|} \hline 5 & 6 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

3. $\begin{array}{|c|c|} \hline 7 & 2 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

4. $\begin{array}{|c|c|} \hline 3 & 4 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

5. $\begin{array}{|c|c|} \hline 4 & 5 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

6. $\begin{array}{|c|c|} \hline 1 & 1 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

7. $\begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

8. $\begin{array}{|c|c|} \hline 9 & 9 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

9. $\begin{array}{|c|c|c|} \hline 2 & 5 & 3 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

10. $\begin{array}{|c|c|c|} \hline 1 & 4 & 6 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

11. $\begin{array}{|c|c|c|} \hline 9 & 2 & 9 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

12. $\begin{array}{|c|c|c|} \hline 7 & 2 & 8 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$

Activity 2- Adding two and three digit numbers without renaming

$$\begin{array}{r} 534 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ + 62 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 84 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 130 \\ + 56 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 802 \\ + 92 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 529 \\ + 50 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 281 \\ + 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 552 \\ + 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ + 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 628 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ + 51 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 474 \\ + 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 153 \\ + 44 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 371 \\ + 22 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 4 \underline{\quad} 2 \\ + 15 \\ \hline 467 \\ \hline \end{array}$$

$$\begin{array}{r} \underline{\quad} 53 \\ + 4 \underline{\quad} \\ \hline 796 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 8 \\ + 21 \\ \hline 84 \underline{\quad} \\ \hline \end{array}$$

Activity 3- Multiplication and division triangles

Fill in the blanks in these multiplication triangles.

1.

$$\begin{array}{c} 80 \\ \div \quad \div \\ 8 \quad \times \quad \square \end{array}$$

2.

$$\begin{array}{c} \square \\ \div \quad \div \\ 4 \quad \times \quad 8 \end{array}$$

3.

$$\begin{array}{c} 12 \\ \div \quad \div \\ \square \quad \times \quad 3 \end{array}$$

4.

$$\begin{array}{c} 6 \\ \div \quad \div \\ 3 \quad \times \quad \square \end{array}$$

5.

$$\begin{array}{c} \square \\ \div \quad \div \\ 8 \quad \times \quad 2 \end{array}$$

6.

$$\begin{array}{c} 3 \\ \div \quad \div \\ \square \quad \times \quad 1 \end{array}$$

7.

$$\begin{array}{c} 20 \\ \div \quad \div \\ 4 \quad \times \quad \square \end{array}$$

8.

$$\begin{array}{c} \square \\ \div \quad \div \\ 4 \quad \times \quad 4 \end{array}$$

9.

$$\begin{array}{c} 24 \\ \div \quad \div \\ \square \quad \times \quad 3 \end{array}$$

10.

$$\begin{array}{c} 96 \\ \div \quad \div \\ 8 \quad \times \quad \square \end{array}$$

11.

$$\begin{array}{c} \square \\ \div \quad \div \\ 4 \quad \times \quad 7 \end{array}$$

12.

$$\begin{array}{c} 88 \\ \div \quad \div \\ \square \quad \times \quad 11 \end{array}$$

Activity 4- comparing fractions with greater than > and less than <

Choose two fractions and write a number sentence using < or > to compare them.

1. $\frac{1}{4}$ $\frac{3}{4}$ $\frac{2}{4}$
2. $\frac{3}{5}$ $\frac{1}{5}$ $\frac{4}{5}$ $\frac{2}{5}$
3. $\frac{1}{6}$ $\frac{4}{6}$ $\frac{2}{6}$ $\frac{5}{6}$
4. $\frac{6}{7}$ $\frac{3}{7}$ $\frac{5}{7}$ $\frac{2}{7}$
5. $\frac{3}{8}$ $\frac{7}{8}$ $\frac{1}{8}$ $\frac{9}{8}$
6. $\frac{5}{9}$ $\frac{2}{9}$ $\frac{8}{9}$ $\frac{1}{9}$
7. $\frac{3}{10}$ $\frac{7}{10}$ $\frac{1}{10}$ $\frac{9}{10}$
8. $\frac{5}{11}$ $\frac{3}{11}$ $\frac{6}{11}$ $\frac{9}{11}$ $\frac{2}{11}$
9. $\frac{5}{12}$ $\frac{11}{12}$ $\frac{1}{12}$ $\frac{7}{12}$
10. $\frac{4}{15}$ $\frac{2}{15}$ $\frac{7}{15}$ $\frac{8}{15}$ $\frac{1}{15}$
11. $\frac{7}{20}$ $\frac{9}{20}$ $\frac{3}{20}$ $\frac{11}{20}$ $\frac{1}{20}$
12. $\frac{34}{100}$ $\frac{23}{100}$ $\frac{61}{100}$ $\frac{57}{100}$ $\frac{43}{100}$

Activity 5- Time and Measure

Roni and Michael are good friends but they are very competitive. How do they measure up in these situations?

1. Michael and Roni had a competition to see who could walk to school in the quickest time.

The table shows what time they leave and what time they arrive.

Name	Time left	Time arrived	Time taken	So the winner was...
Michael	7:24	7:56		
Roni	7:50	8:20		

2. Michael and Roni both thought their birthday was the closest to Christmas Day.

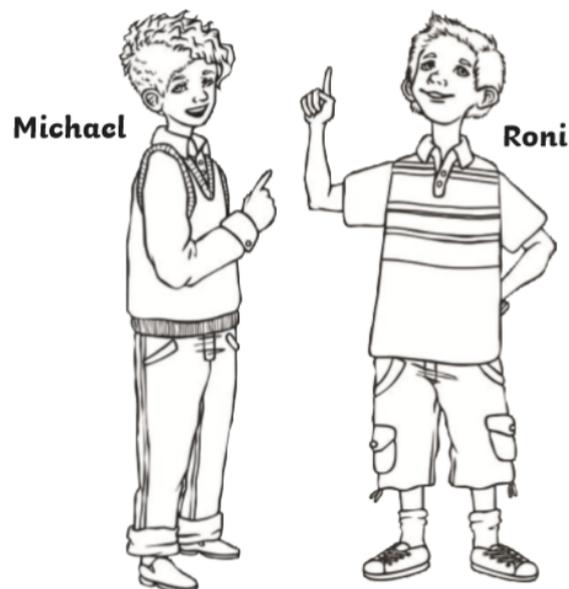
The table shows when their birthdays are.

Name	Birthday	Christmas Day	Days away	So the winner was...
Michael	1st December	25th December		
Roni	17th January	25th December		

3. Michael and Roni both think they played video games for longer than the other at the weekend.

The table shows when they started and finished playing.

Name	Time started	Time finished	Time spent	So the winner was...
Michael	8:00 am	1:00 pm		
Roni	11:00 am	3:30 pm		



4. Michael and Roni both think they can estimate exactly a minute with their eyes closed.

The table below shows how close their estimates were...

Name	Aim	Actual estimate	Seconds away	So the winner was...
Michael	60 seconds	1 min 33 seconds		
Roni	60 seconds	37 seconds		

5. Michael and Roni both think they can keep their hands in ice cold water for the longest.

The table below shows how long they managed...

Name	Time started	Time finished	Total time	So the winner was...
Michael	10:55:17	10:56:01		
Roni	11:01:35	11:02:20		

And the overall winner was...

--