

EXPANDED NOTATION

Expanded notation is when you break down a number into thousands, hundreds, tens and ones.

Example:

$$7845 = 7000 + 800 + 40 + 5$$

1. Write the expanded notation for the following numbers:

1.1. $4567 =$ _____

1.2. $9871 =$ _____

1.3. $3406 =$ _____

1.4. $2980 =$ _____

2. Colour in the expanded notations which hasn't been done correctly.

$$9743 = 9000 + 700 + 40 + 3$$

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$$5067 = 5000 + 100 + 60 + 7$$

$$9171 = 9000 + 100 + 70 + 10$$

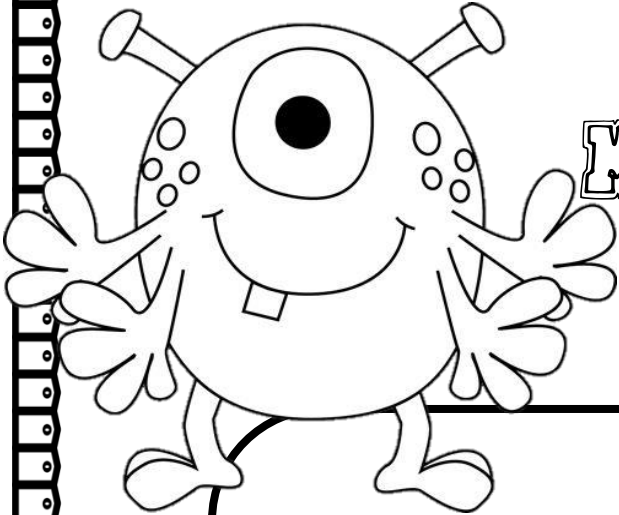
$$3430 = 3000 + 400 + 30 + 0$$

3. Complete:

3.1. $3743 = 3000 +$ _____ $+ 40 +$ _____

3.2. $3030 =$ _____ $+$ _____ $+ 30 + 0$

MONSTER MULTIPLICATION



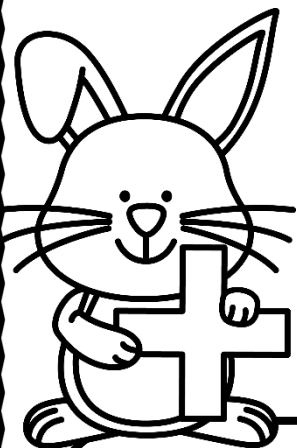
Method: Breaking down numbers in factors

$$\begin{aligned}47 \times 12 &= 47 \times 2 \times 6 \\ &= 47 \times 2 \times 2 \times 3 \\ &= 94 \times 2 \times 3 \\ &= 188 \times 3 \\ &= (100 + 80 + 8) \times 3 \\ &= 300 + 240 + 24 \\ &= 564\end{aligned}$$

Calculate the sums by using the method above.

34×12

53×45



AMAZING ADDITION

Breaking down method:

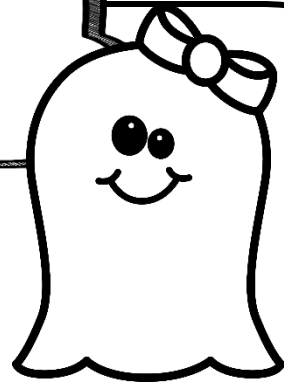
$$\begin{aligned} & 6832 + 154 \\ & = (6000 + 800 + 30 + 2) + (100 + 50 + 4) && \text{- Break down each number.} \\ & = (6000) + (800 + 100) + (30 + 50) + (2 + 4) && \text{- Then count the thousands,,} \\ & && \text{hundreds, tens and ones together.} \\ & = 6000 + 900 + 80 + 6 && \text{- Count all the answers together.} \\ & = 6986 \end{aligned}$$

Calculate the sums by using the method above.

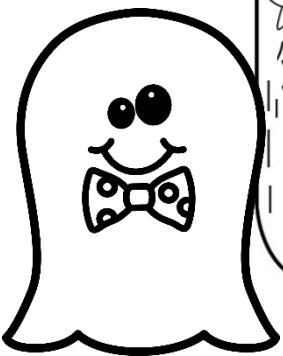
$$5362 + 246$$

$$4365 + 1552$$

Ghost predict



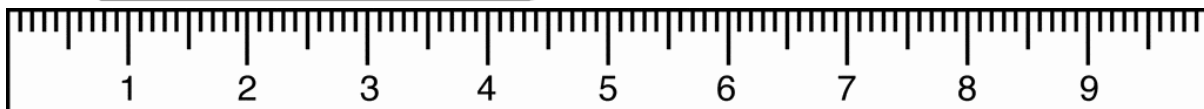
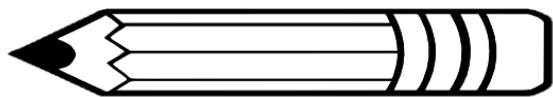
Help the ghosts to predict.



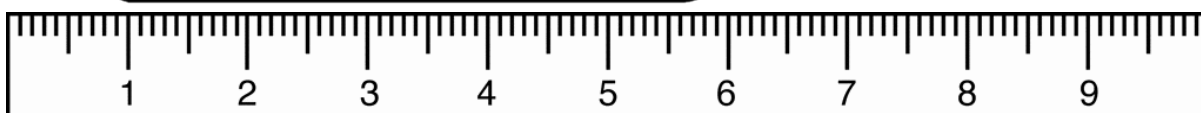
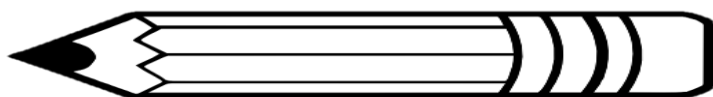
1. How many sweets do you predict is in 1 bottle? _____
2. How many sweets do you predict there are in all the bottles together? _____
3. Count how many sweets are in 1 bottle. _____
4. Count the total amount of sweets. _____

LENGTH

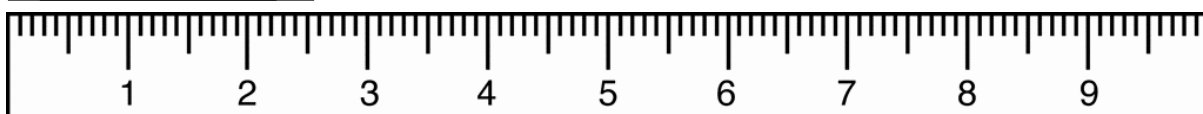
1. What is the length of the pencil in cm?



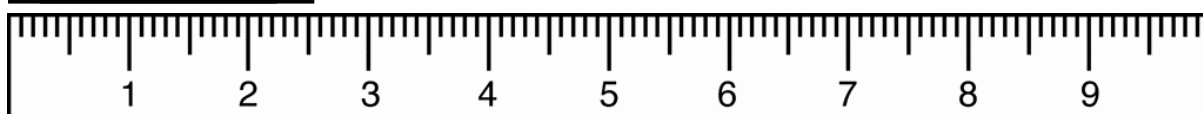
2. What is the length of the pencil in mm?



3. What is the length of the eraser in cm?



4. What is the length of the eraser in mm?



CONVERSION BETWEEN UNITS

Superhero
clues



If you have the big unit work to the **RIGHT** and multiply.

Example: $1\text{cm} = 10\text{mm}$
 $1\text{km} = 1000\text{m}$
 $1\text{m} = 100\text{cm}$

If you have the small unit work to the **LEFT** and divide.

Example: $10\text{mm} = 1\text{cm}$
 $1000\text{m} = 1\text{km}$
 $100\text{cm} = 1\text{m}$

If you are working with a $\frac{1}{2}$

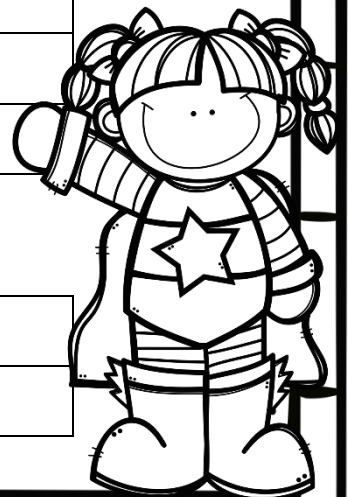
Example: $25\text{mm} = 2\frac{1}{2}\text{cm}$
 $6\frac{1}{2}\text{km} = 6500\text{m}$
 $3500\text{m} = 3\frac{1}{2}\text{km}$

Complete the table by converting the units.

400mm	_____ cm
8cm	_____ mm
100m	_____ km
5km	_____ m
100cm	_____ m

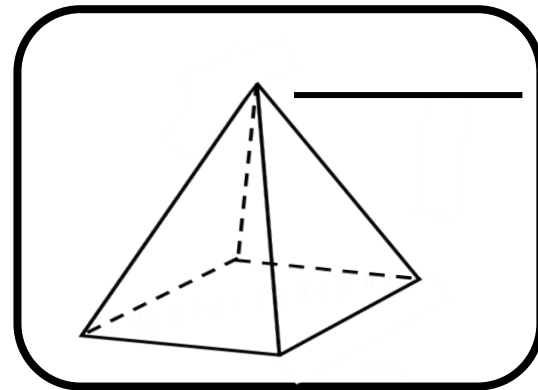
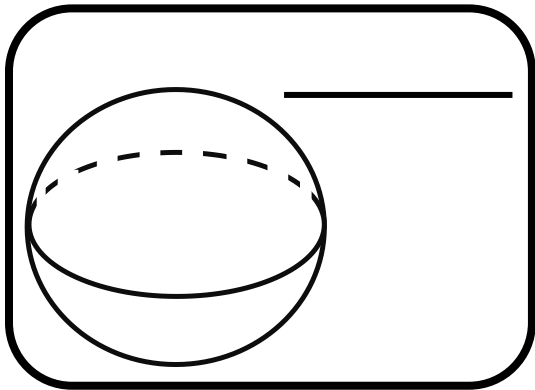
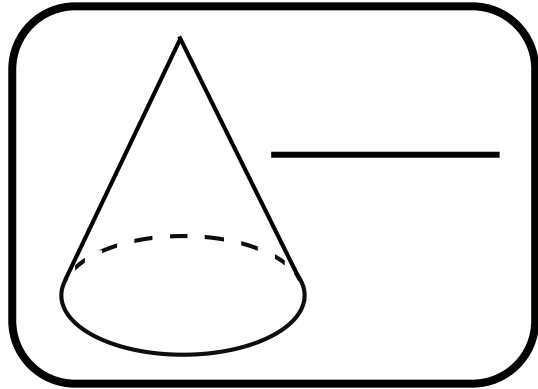
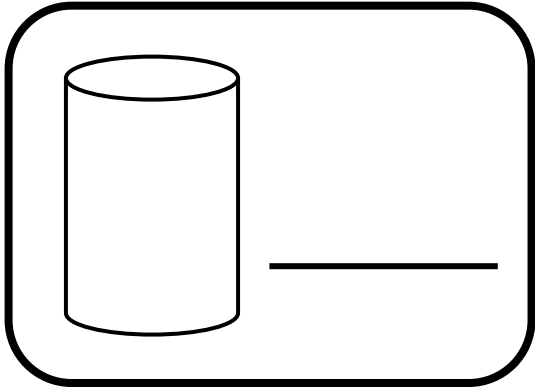
Think like a
superhero

35mm	_____ cm
$4\frac{1}{2}\text{km}$	_____ m



3D SHAPES

Write down the name of each shape.



-
- Colour the shapes with a flat surface yellow.
 - Colour the shapes with a curved and flat surface blue.
 - Colour the shapes with only a curved surface green.

