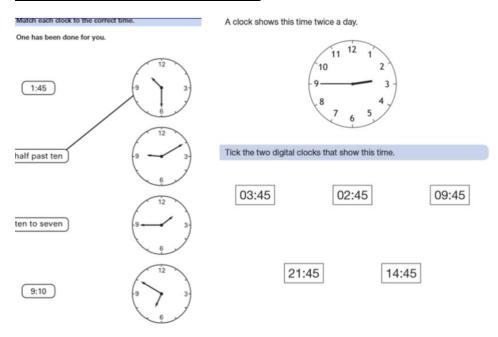
#### Manday

#### LO: Duration of time

#### Recap Questions:

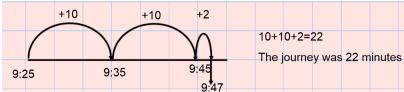
- · How do you convert 12-hour and 24-time?
- How many seconds are there in a minute?
- · How many minutes are there in an hour?
- · How many days are there in a week?

#### Use a ruler to match the times below:

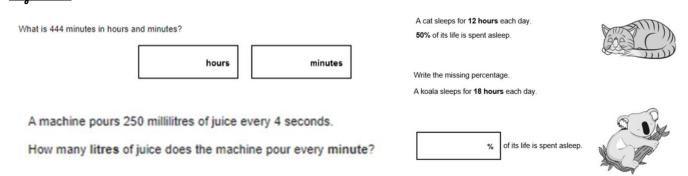


## Tip: Use a timeline to help you calculate duration of time.

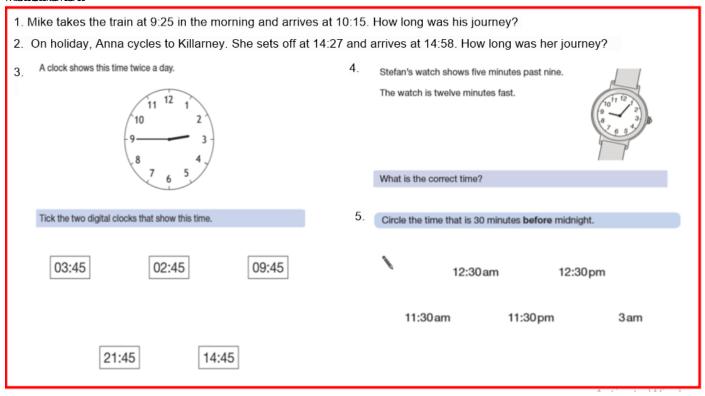
Ellie takes the train to Edinburgh. She sets off at 09:25 in the morning and arrives at 09:47. How long was her journey?



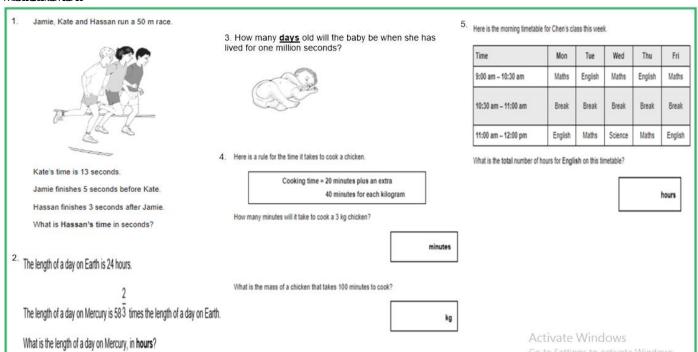
# Try these:



# Which set of questions would you like to solve?



Write these times in order, starting with the shortest.	Write the missing numbers.	3. Seb has to see the doctor at 10:05 am.
24 days 10 weeks 1 month 48 hours	60 months = years	He gets to the doctor's surgery at 9:52 am.  How many minutes early is he?
	72 hours = days	minutes
shortest	84 days = weeks	
	5. Complete each sentence using a number from the list below.  120 240 600 1,440 3,600 6,000	He leaves the doctor's surgery at 10:25am.  He gets to school 45 minutes later.
Kirsty ran a race in one and a half minutes.  Mina took 10 seconds longer.	There are seconds in an hour.	What time does he arrive at school?
How many seconds did Mina take to run the race?	There are minutes in a day.	Activate Windows.  Go to Settings to activate Windows.



# Challenge:

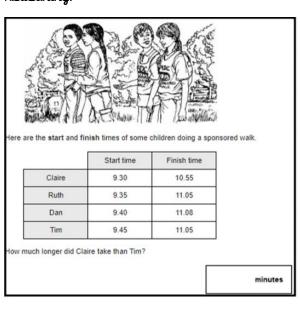
William wants to travel to Paris by train.

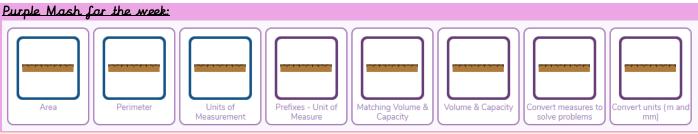
He needs to arrive in Paris by 5:30 pm.

Circle the latest time that William can leave London.

Leaves London	Arrives Paris
12:01	15:22
12:25	15:56
13:31	16:53
14:01	17:26
14:31	17:53
15:31	18:53
16:01	19:20

#### Reasoning:

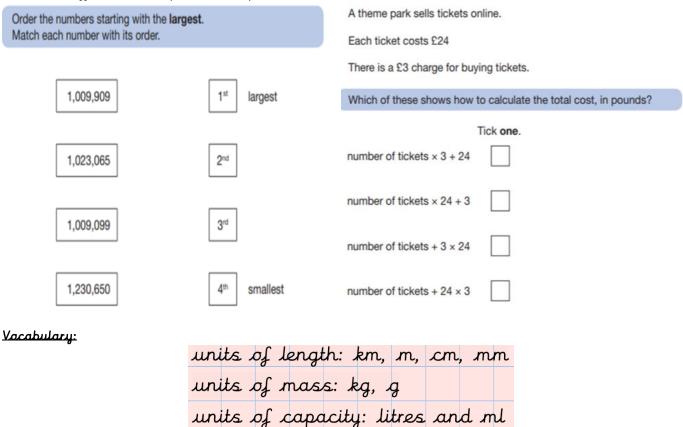




Rock Stars: You should be able to recall all of your timestables.

# LO: Converting units of measurement

# Let's start off with some place value problems:



#### So, how do I convert units of length?

# units of length

#### Solve:

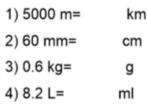


20mm=	cm	71mm=	cm
1000m=	km	5000m=	km
4km=	m	3.5 km=	m

		A pineapple has a mass of 2.12 kg. Find the mass in grams.
1 kg=	g	
3.07 kg =	g	Remember: units of mass x1000 kg g  ÷1000
0.5 kg =	g	

	<u>u</u> litre:	nits of car x1000 s ÷1000	oacity ml	00 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	100 Marie 100 Ma			
3L:	_	ml			700	00 ml	=	L
0.8	L=	ml			325	50 ml=	=	L

#### Which set of questions will you solve?





1) 3.456 kg = \_\_\_\_g

Copy and complete by putting <,> or =.

2) 10 cm \_\_\_\_ 0.09 m

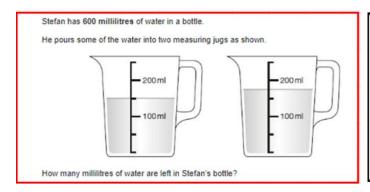
3) 3000 mm \_\_\_\_ 0.003 km

4) 25 g \_\_\_\_ 0.025 kg

Write down the question and solve.

5) A lorry travels 263 km in Belgium and 172 miles in England. How much longer in miles is the English journey?

#### Challenge



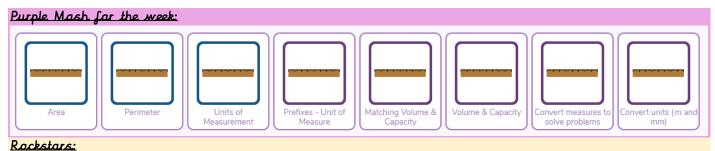
# Reasoning

Megan wants to fill a bucket with water.

A bucket holds 6 litres.

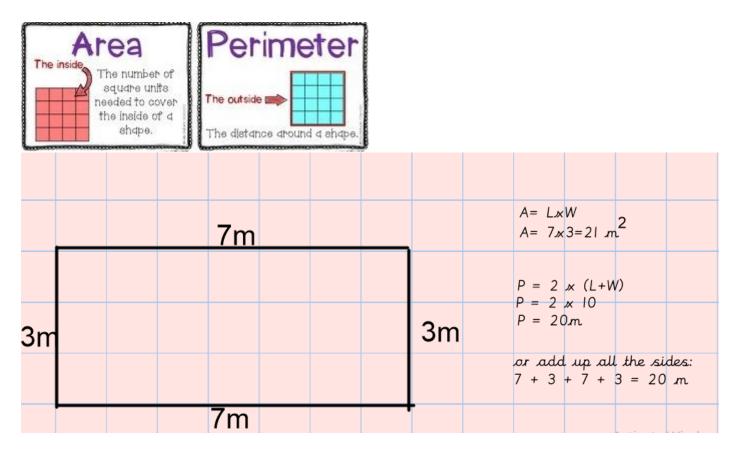
A jug holds 500 millilitres.

How many jugs of water does Megan need to fill an empty bucket?

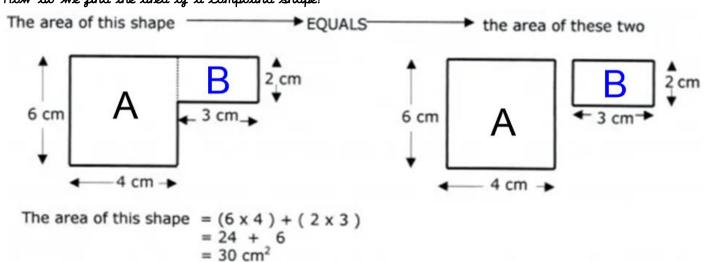


#### Wednesday

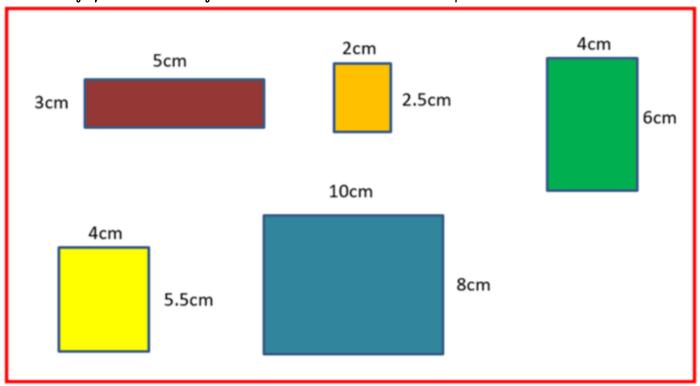
#### LO: Area and Perimeter

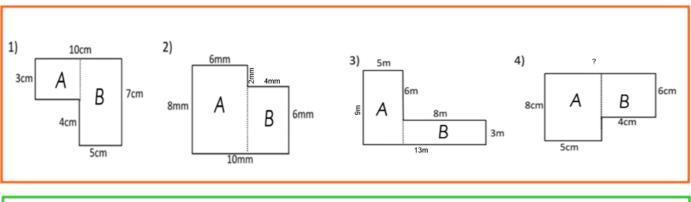


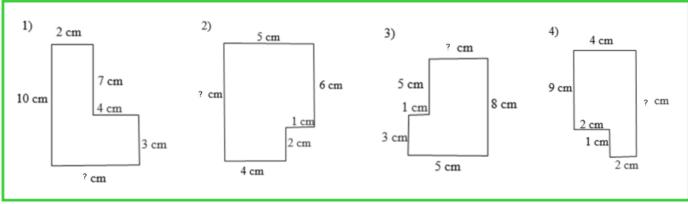
How do we find the area of a compound shape?



Which set of questians would you like to solve? Find the area aand perimeter.







# Challenge

The following quadrilaterals all have a perimeter of 36 cm.

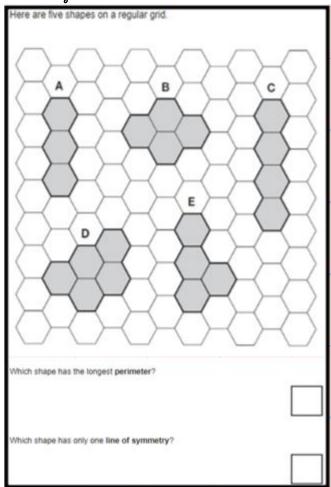
Here is a table to show the length of each side.

Complete the table.

One quadrilateral is done for you.

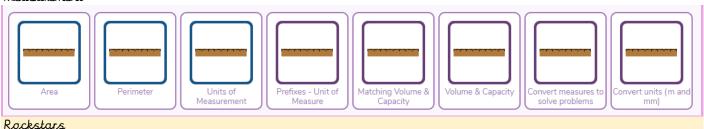
	Side lengths			
square	9 cm	9 cm	9 cm	9 cm
rectangle	3 cm			
rhombus	9 cm			
kite	10 cm			

# Reasoning



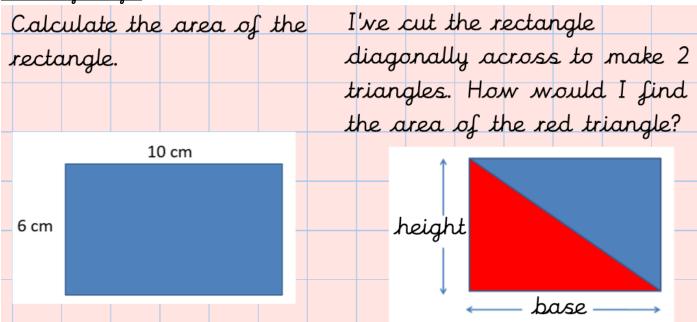
# Purple Mash for the week:



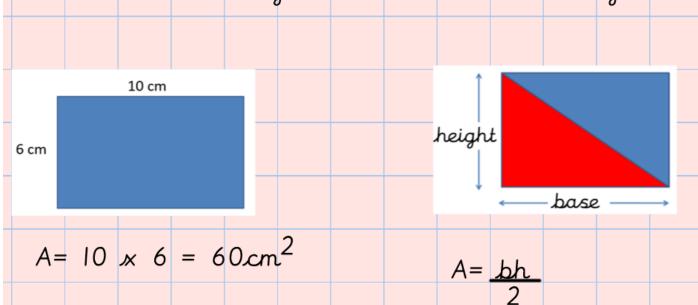


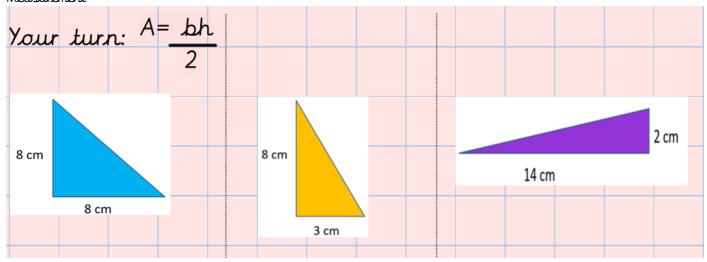
# Thursday

# LO: Area of Triangles

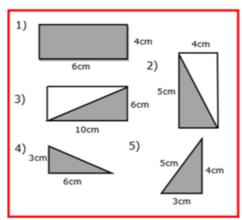


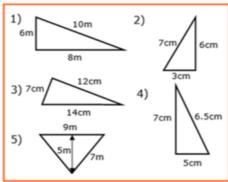
In order to find the area of a triangle, we can calculate base X height (area) and divide it by 2.

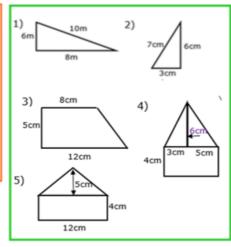




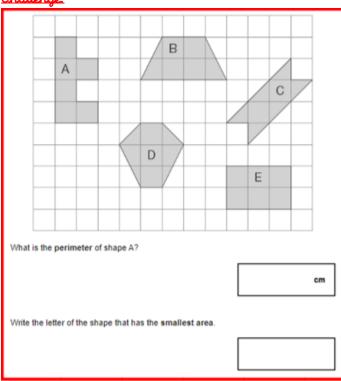
#### Which set of questions will you solve?



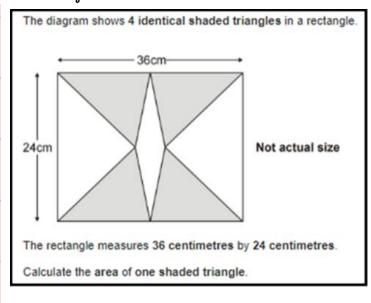




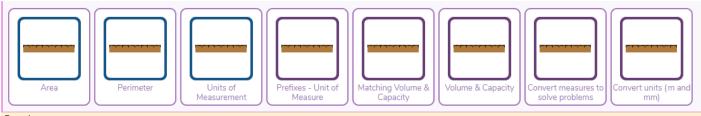
# Challenge:



# Reasoning

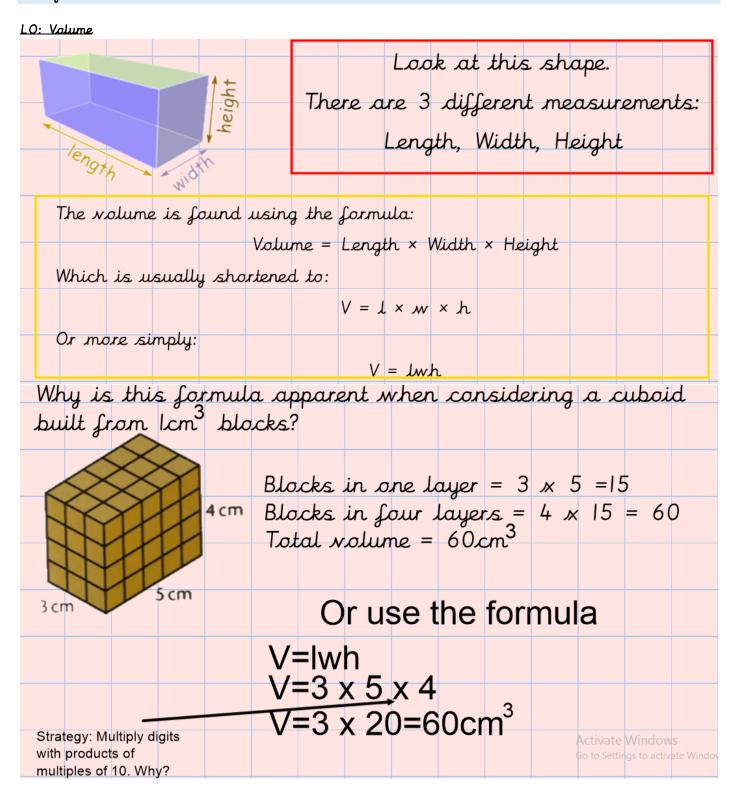


# PurpleMash for the week:

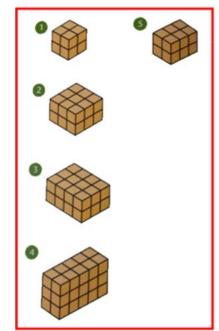


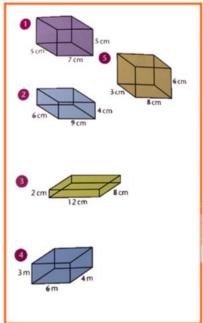
#### Rockstars

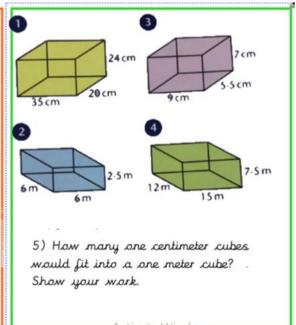
#### Friday



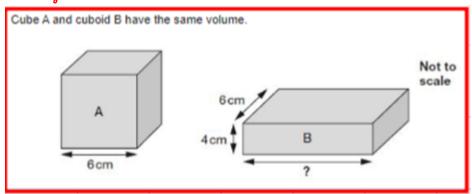
#### Which set of questions will you solve?



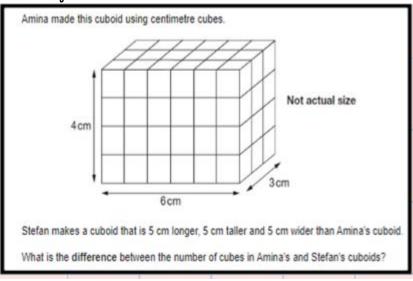




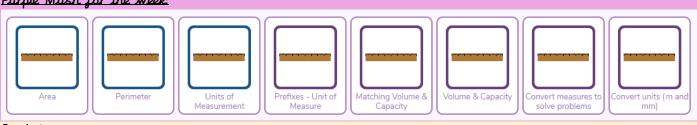
# Challenge



# Reasoning



# Purple Mash for the week:



#### Rockstars

#### **Arithmetic**

$$-20 + 17 =$$

6) 
$$250,000 - ? = 200,500$$

7) 
$$9,727 \div 4 =$$

8) 
$$24,000 \div 4 =$$

11) 
$$700 \times 70 =$$

13) 
$$12^2 + 7^2 - 5^3 =$$

14) 
$$2.8 \div 100 =$$

15) 
$$345 - 30 \times 4 =$$

16) 
$$3,200 \div 8 + 120 =$$

17) 
$$80 \times 70 \times 20 =$$

22) 
$$0.8 = \frac{?}{25}$$