Welcome to Remote Learning for Fourth Class

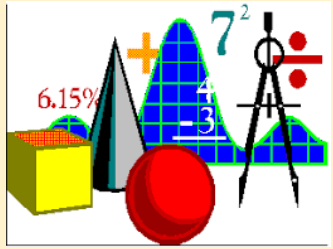
Maths

Notes for Parents / Guardians

This is a menu of activities available for your child to complete. Please do not feel under any pressure. All sections are optional.

Included:

- Warm Up Games
- Number Patterns: explanation video
- Number Patterns: challenges, resources and related Art
- Capacity: introductory video
- Capacity explored – e.g. measuring, related language, converting, adding…
- Tables - links
- Additional Resources / Differentiation

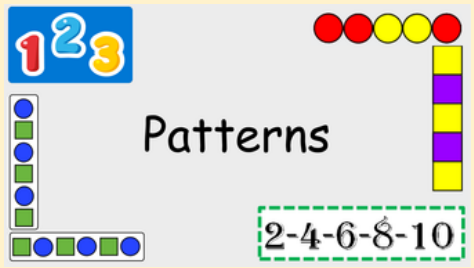


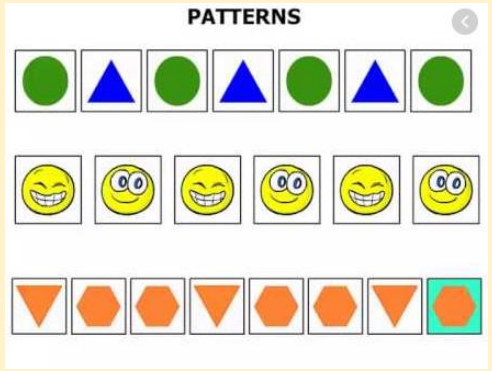
You will need!

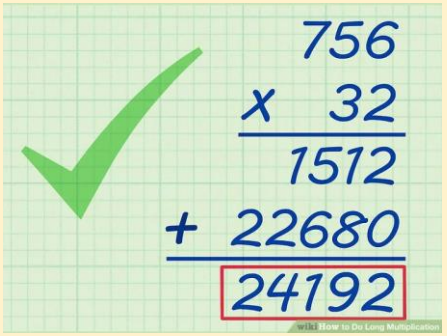
- A pencil and a rubber
- A ruler and red pen
- A copy / blank page to record work
- Access to the internet for certain videos and online activities

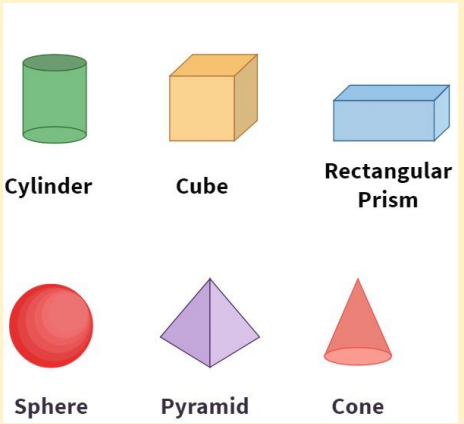
(this can be omitted if it doesn’t suit the family)

Choose one of these games to play as a warm up to your daily lessons









Patterns

https://www.youtube.com/watch?v=GddAGHgH1IM

Click on the picture to watch the video

Patterns

Ask yourself: Is the number going up or down? By how much?

A **Add the next three terms to each of these number or letter patterns.**

1. (a) 2, 4, 6, 8, 10, (b) 3, 6, 9, 12, 15, (c) 5, 10, 15, 20, 25,

(d) 10, 20, 30, 40, 50, (e) 100, 200, 300, 400, 500, (f) 7, 14, 21, 28, 35,

2. (a) 28, 24, 20, 16, 12, (b) 99, 88, 77, 66, 55, (c) 72, 63, 54, 45, 36,

(d) 56, 48, 40, 32, 24, (e) 66, 60, 54, 48, 42, (f) 400, 350, 300, 250, 200,

3. (a) A, C, E, G, I, (b) Z, Y, X, W, V, (c) B, D, F, H, J,

(d) A, D, G, J, M, (e) Z, X, V, T, R, (f) A, N, B, O, C, P,

4. (a) AB, BC, CD, DE, EF, (b) AA, BB, CC, DD, EE, (c) AC, CE, EG, GI, IK,

(d) AZ, BY, CX, DW, EV, (e) Aa, Bb, Cc, Dd, Ee, (f) A1, B2, C3, D4, E5,

Answers

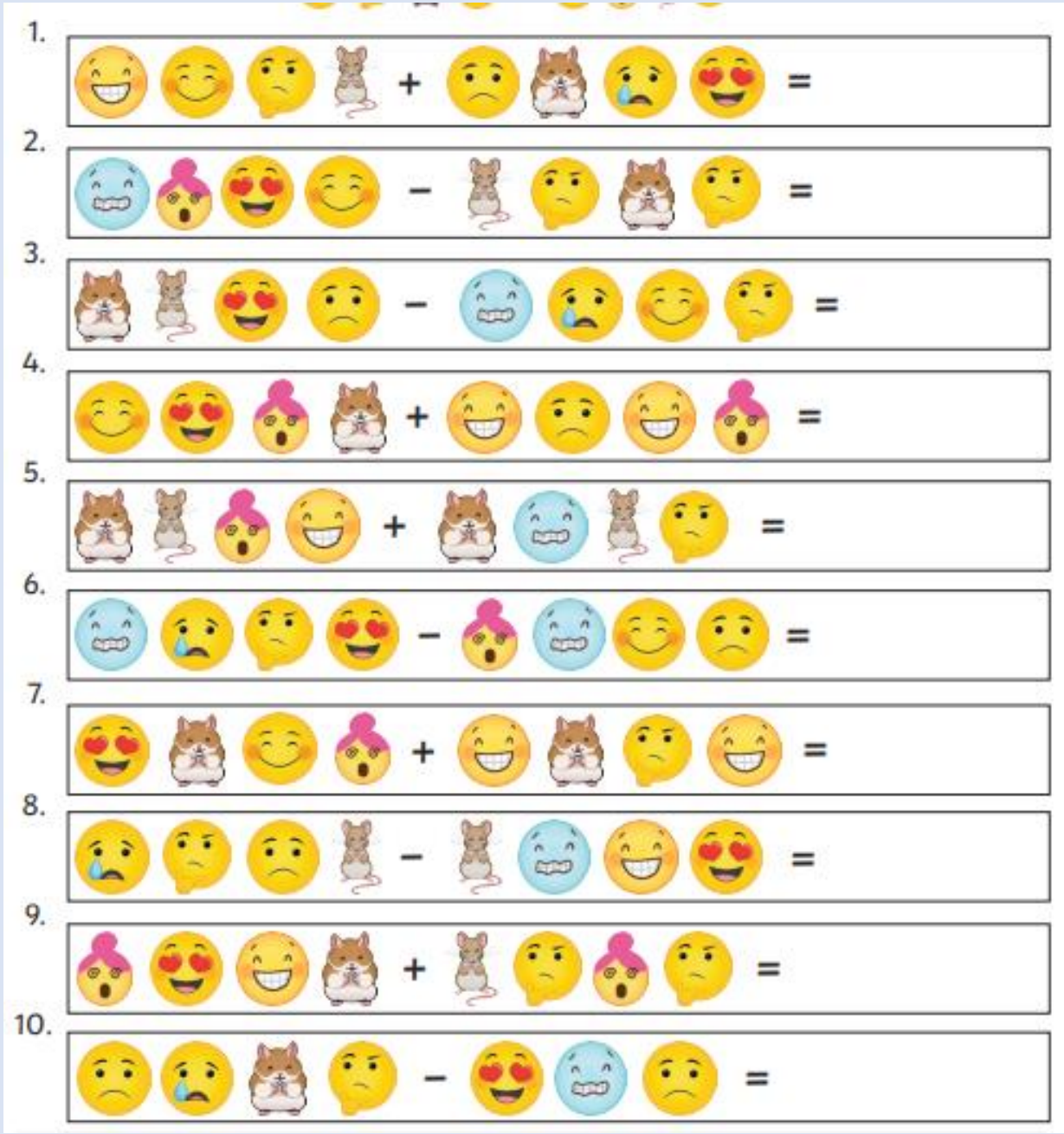
- 1. a)12, 14, 16 b) 18, 21, 24 c) 30, 35, 40
- d) 60, 70, 80 e) 600, 700, 800 f) 42, 49, 56
- 2. a) 8, 4, 0 b) 44, 33, 22 c) 27, 18, 9
- d) 16, 8, 0 e) 36, 30, 24 f) 150, 100, 50
- 3. a) k, m, o b) u, t, s c) k, l, m
- d) p, s, v e) p, n, l f) d, q, e
- 4. a) FG,GH,HI b) FFGGHH c) MO, OQ, QS
- d) FU, GT, HS e) Ff, Gg, Hh f) F6, G7, H8

Break the Emoji codes using the guide below

Emoji Code Breaking

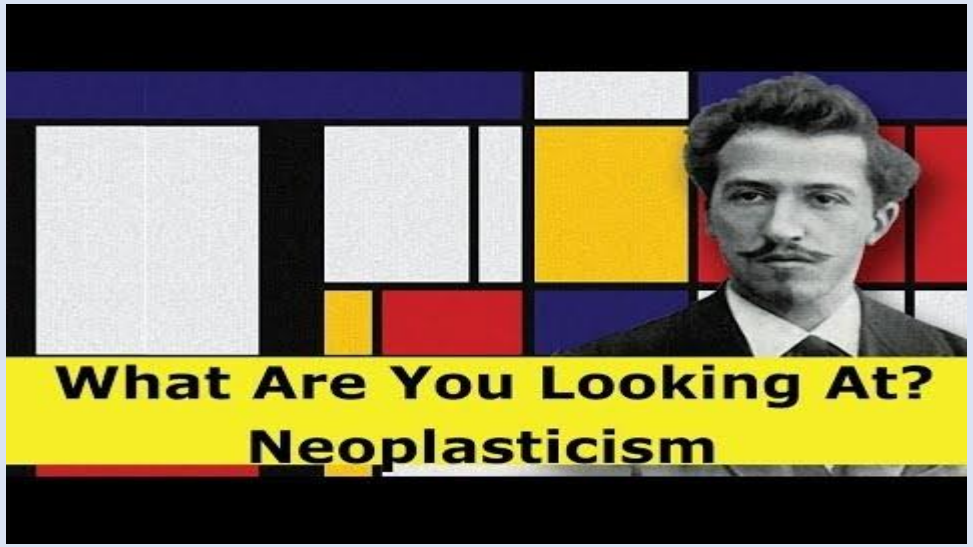
5	2	7	3	4	9	6	8	0	1

+ = 97



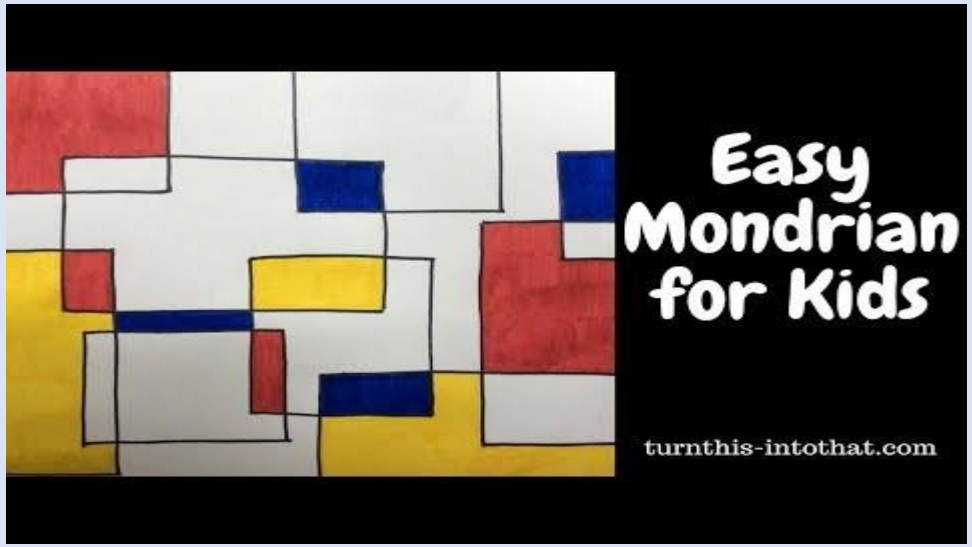
You’re doing great! Take a break!

Learn about the famous artist Mondrian. He used pattern in his artwork.



https://www.youtube.com/watch?v=GezllB9B4zA

Check out the link below if you’re interested in completing your own Mondrian style art



https://www.youtube.com/watch?v=dEq8J3ldsDU

What is Capacity?

Click the picture for a simple reminder

https://www.youtube.com/watch?v=QMpkm4dAB4w

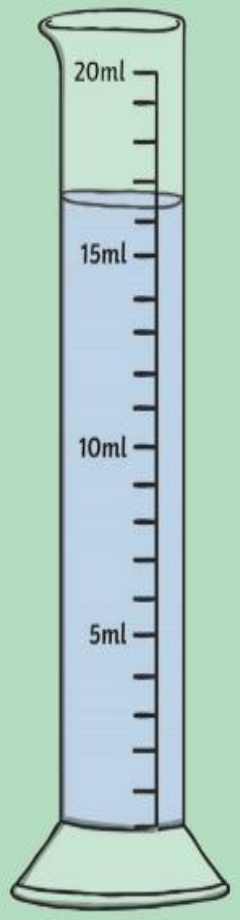
Remember your facts:

1000 ml = 1 l

1l = 1000 ml

- Capacity is the measurement of liquid.
- It is the amount of liquid a container can hold.
- Capacity is measured in litres and millilitres.

Units of Measurement

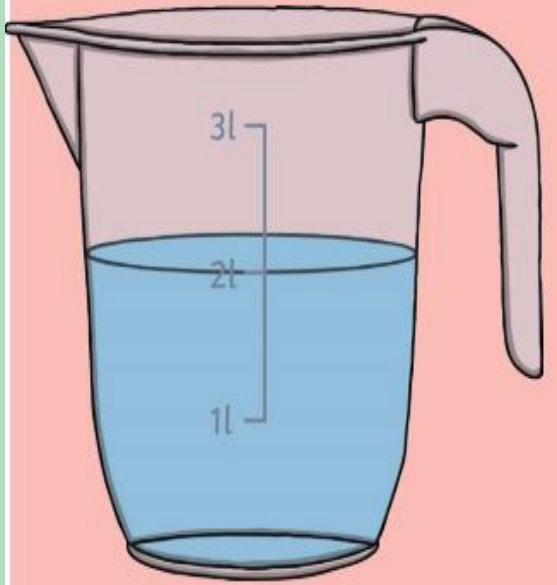


Millilitres

We can use a measuring cylinder to measure very small capacities.

We measure these in **millilitres**.
We write this as **ml**.

1000ml = 1l



Litres

We can use a jug to measure larger capacities.

We measure these in **litres**.
We write this as **l**.

1000ml = 1l

Capacity

- Think of all the words you know to do with Capacity.
- Jot a few down.
- Hint


holds
liquid
capacity
empty
millilitre
litre
container
half full
full

Choose the unit of measurement

Milliliters

Liters

Juice box

Fridge

Large water bottle

Soap dispenser

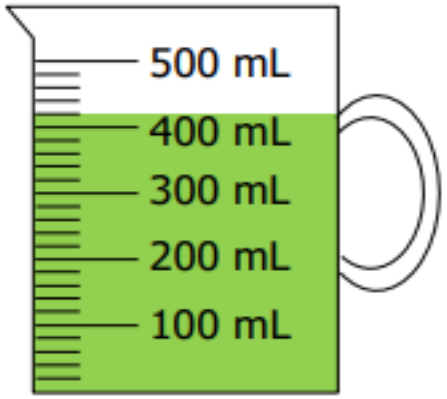
Note: We measure smaller container in milliliters and bigger container in liters.

Answers

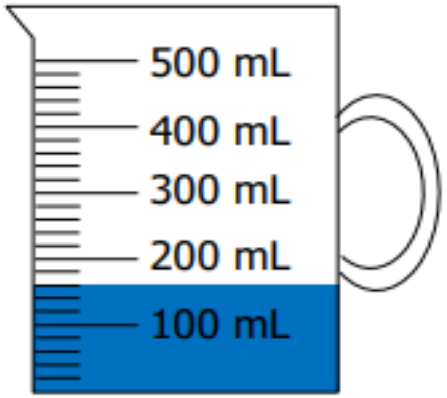
- Juice box = millilitres
- Fridge = litres
- Large bottle of water = litres
- Soap dispenser = millilitres

Capacity

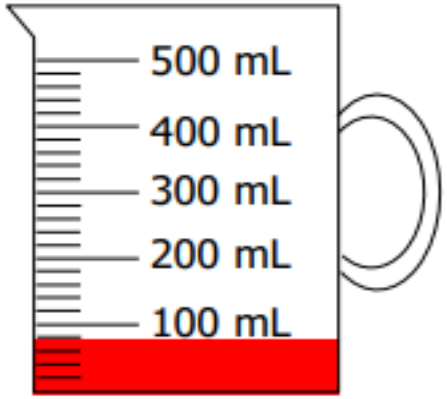
Find the volume of the juice in milliliters (mL) in the following measuring cups.



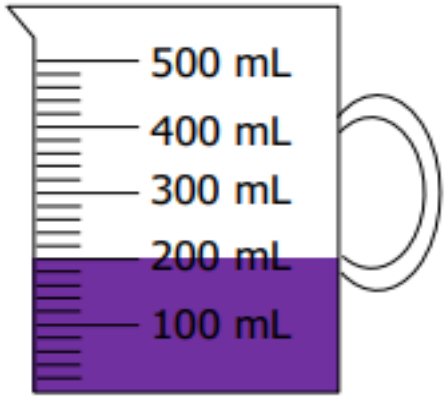
1) _____ mL



2) _____ mL



3) _____ mL



4) _____ mL

Answers

1) 420 mL

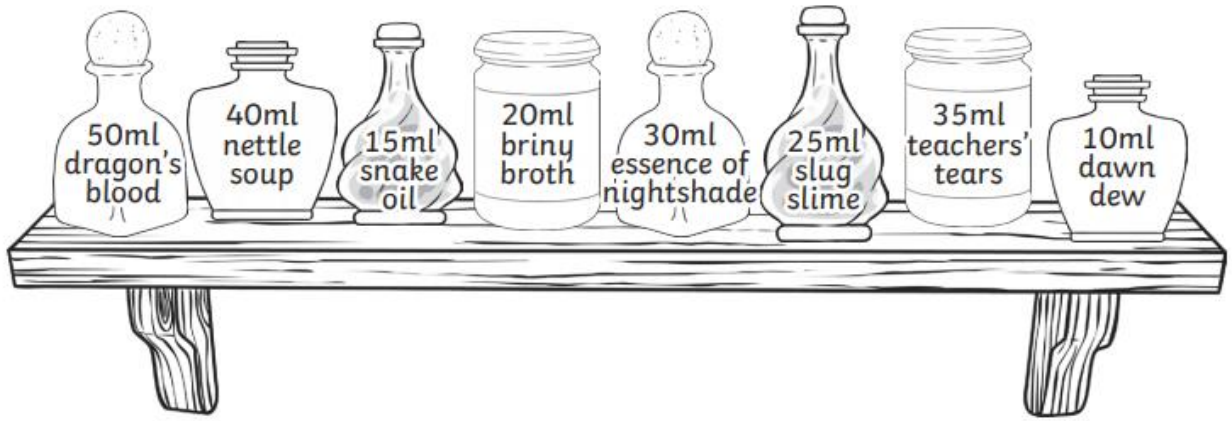
2) 160 mL

3) 80 mL

4) 200 mL

Challenge yourself!

Potions Capacity



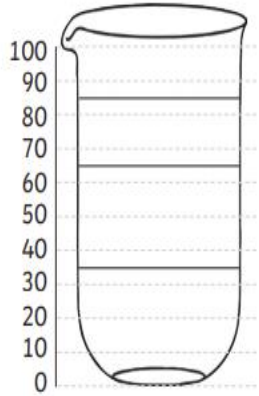
Wizard William and Witch Winifred are mixing potions. Can you help find all the possibilities for their recipes?

1. Wizard William can use any 3 ingredients. His potion needs to measure exactly 125ml. Which ingredients could he use?

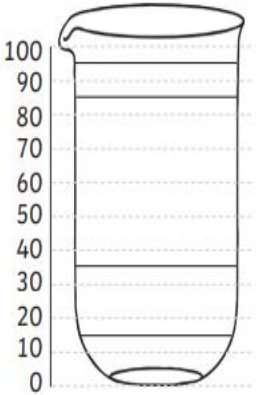
Potions Capacity

Apprentice Alf has mixed some potions, but he has forgotten to write down the recipes. Can you work out which ingredients are in each bottle by looking at the shelf above?

5.



6.



1. Dragon's blood, nettle soup and teachers' tears

Answers

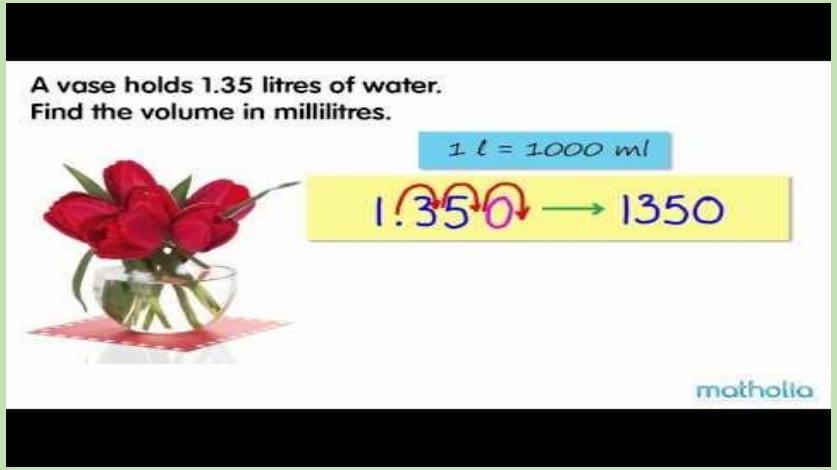
5. Teachers' tears, essence of nightshade and slug slime

6. Snake oil, briny broth, dragon's blood and dawn dew

Converting: An introduction

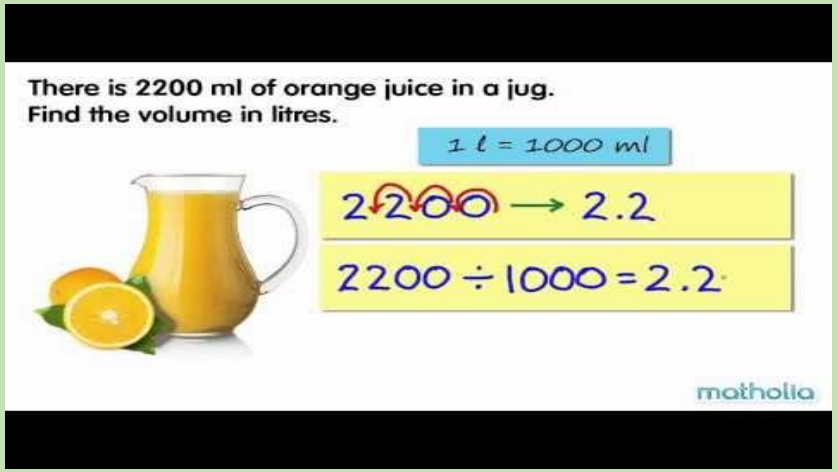
These videos will help you with questions coming up on the next few slides.

Converting litres to millilitres



https://www.youtube.com/watch?v=zLRv028h9Is

Converting millilitres to litres



https://www.youtube.com/watch?v=URwMPphTvv8

Renaming

1 l = 1000 ml
1000 ml = 1 l

Convert litres to milliliters

1. 5 L = _____ mL

3. 28 L = _____ mL

5. 9 L = _____ mL

7. 34 L = _____ mL

9. 87 L = _____ mL

Convert milliliters to liters

11. 30,000 mL = _____ L

13. 10,000 mL = _____ L

15. 1,000 mL = _____ L

17. 2,000 mL = _____ L

19. 8,000 mL = _____ L

Answers

Convert litres to milliliters

1. 5 L = 5,000 mL

3. 28 L = 28,000 mL

5. 9 L = 9,000 mL

7. 34 L = 34,000 mL

9. 87 L = 87,000 mL

Convert milliliters to liters

11. 30,000 mL = 30 L

13. 10,000 mL = 10 L

15. 1,000 mL = 1 L

17. 2,000 mL = 2 L

19. 8,000 mL = 8 L

Renaming

Watch out for the decimals!
Remember your facts.

1 l = 1000 ml
1000 ml = 1 l

Convert litres to milliliters

1. 15 L = _____ mL
3. 3 L = _____ mL
5. 5 L = _____ mL
7. 0.7 L = _____ mL
9. 92 L = _____ mL

Convert milliliters to liters

11. 600.0 mL = _____ L
13. 1,000 mL = _____ L
15. 70.00 mL = _____ L
17. 10,000 mL = _____ L
19. 3,000.0 mL = _____ L

Answers

1. 15 L = 15,000 mL

3. 3 L = 3,000 mL

5. 5 L = 5,000 mL

7. 0.7 L = 700 mL

9. 92 L = 92,000 mL

11. 600.0 mL = 0.6 L

13. 1,000 mL = 1 L

15. 70.00 mL = 0.07 L

17. 10,000 mL = 10 L

19. 3,000.0 mL = 3 L

Challenge yourself!

For Q.5 and 6 you should change the L and mL to decimals first.

1 l = 1000 ml

1000 ml = 1 l

1. Write the following as litres using a decimal point.

(a) 4l 360ml (b) 3l 290ml (c) 8l 110ml (d) 4l 400ml

(e) 4l 40ml (f) 40l 40ml (g) 5l 160ml (h) 1l 10ml

2. Write the following as l and ml.

(a) 4·39l (b) 1·18l (c) 8·39l (d) 50·50l

(e) 5·5l (f) 5·05l (g) 2·02l (h) 0·03l

3. (a) 5l 280ml + 3l 884ml (b) 3l 65ml + 2l 650ml

4. (a) 3l 863ml – 1l 914ml (b) 8l 70ml – 2l 650ml

5. (a) 4 x 2l 840ml (b) 6 x 3l 90ml

6. (a) 6l 480ml ÷ 6 (b) 8l ÷ 5 (no remainder)

Answers

1a) 4.36 L	b) 3.29 L	c) 8.11 L	d) 4.4 L
e) 4.4 L	f) 40.4 L	g) 5.16 L	h) 1.1 L
2 a) 4 L 390 mL	b) 1 L 180 mL	c) 8 L 390 mL	d) 50 L 500 mL
e) 5 L 500 mL	f) 5 L 50 mL	g) 2 L 20 mL	h) 30 mL
3 a) 9L 164 mL		b) 5L 715 mL	
4 a) 1L 949 mL		b) 5L 420mL	
5 a) 11.36 L		b) 18.54 L	
6 a) 1.08 L		b) 1.6 L	

Tables (daily)

- Daily 10 https://www.topmarks.co.uk/maths-games/daily10
- Hit the button https://www.topmarks.co.uk/maths-games/hit-the-button

Congratulations!!!

We are so proud of you!

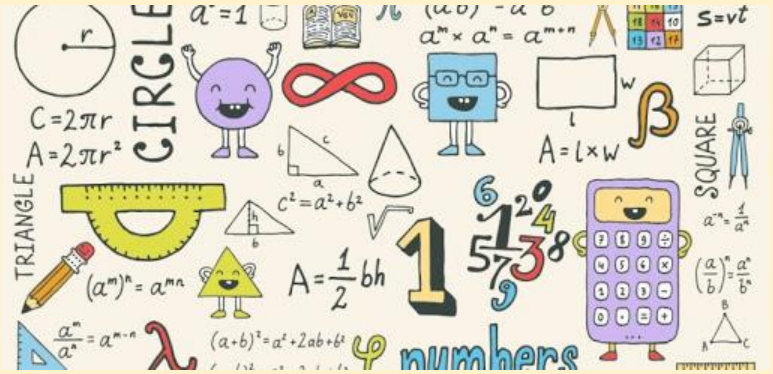
Keep up the amazing work…

Additional Resources

- Link to additional resources https://padlet.com/sarahjpower82/ot9udhc6o7p4
- Scroll down in each section to see all the options.
- Scroll across to access areas such as Movement Activities, Art ideas, Special Educational Needs etc.

Differentiation

- If you find the work a little tricky try the first two in each section.
- If you need any extra Maths challenges check out the next few slides.



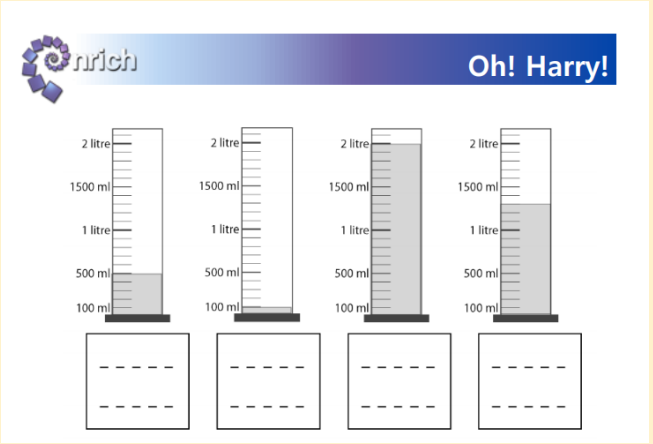
Optional Number Pattern Games Online

- http://www.snappymaths.com/counting/sequences/interactive/writetheruleimm/writetheruleimm.htm
- http://www.snappymaths.com/counting/sequences/interactive/addsubseqw25/addsubseqw25.htm
- http://www.snappymaths.com/counting/sequences/interactive/addsubseqw100/addsubseqw100.htm
- http://www.snappymaths.com/counting/sequences/interactive/seq2510w1000/seq2510w1000.htm

Pick a challenge

- Make a fruity drink or smoothie using exact measurements

Click on the following link to solve a tricky problem involving Capacity
https://nrich.maths.org/5979



If you are stuck for things to do, you can always play these games….

Just click the picture.