Wednesday 24th June 2020

Please refer to Monday's power point for the 'everyday' activities.

- Remember that we are not using White Rose videos at the moment as we have completed the fractions lessons.
- I love a bit of colouring so here is a quote to colour.

Maths !

- **First** complete the TT Rockstars sheet.
- **Grown ups** – as explained on the first slide we are out of videos so we are using a combination of Classroom secrets, Twinkl and White Rose resources.
- **Children** – as we have run out of videos we are going to use some of the classroom secrets/ Twinkl power points as your introduction to lessons.
- This week is all about shape! Like time, some children will find this much easier than number based Maths and some will find it trickier. YOU choose which activities that you want to do.
- Looking for 2D and 3D shapes around your home is a great way to start your learning.
- **Have fun and I hope that the sunny weather holds.**
- **Finally** check your answers and correct any mistakes, just like we do in class. You can even use a pink and green pen if you want to. (Bonus points if you find a mistake!)
- **Maths this week**
- Monday – 2D shape hunt around your homes and gardens plus White Rose sheets.
- Tuesday – 3D shape hunt around your homes and gardens and make 3D shapes.
- Wednesday – 3D shapes – varied fluency and problems
- Thursday – angles and turns
- Friday – Friday challenge

Sixty in 180. Can you complete the 60 TT Rockstars sums in 3 minutes (180 seconds) Show your parents how fast you are at these.

Name:_____

Times Tables Rock Stars

Licensed to Howley Grange Primary School

3,4,8 Times Tables

Week 1 Session 3
2020-21
Year 3 Summer 2020
5 a week

1	4 × 9	13	4 × 8	25	8 × 11	37	4 × 3	49	3 × 1
2	4 × 12	14	4 × 1	26	3 × 7	38	3 × 1	50	3 × 4
3	8 × 1	15	8 × 7	27	4 × 11	39	3 × 1	51	4 × 8
4	8 × 2	16	3 × 7	28	4 × 3	40	8 × 3	52	3 × 10
5	3 × 12	17	4 × 2	29	3 × 3	41	8 × 11	53	4 × 1
6	3 × 5	18	3 × 6	30	3 × 8	42	3 × 6	54	8 × 7
7	8 × 8	19	4 × 4	31	4 × 2	43	4 × 12	55	8 × 11
8	4 × 1	20	8 × 1	32	4 × 1	44	3 × 9	56	8 × 2
9	4 × 6	21	3 × 8	33	8 × 9	45	3 × 8	57	3 × 2
10	4 × 1	22	8 × 3	34	8 × 6	46	3 × 1	58	3 × 6
11	8 × 4	23	8 × 9	35	8 × 5	47	4 × 11	59	3 × 2
12	3 × 6	24	4 × 1	36	3 × 8	48	3 × 3	60	3 × 12

Time taken

:

3 minute time limit

Score

60

What's your rock status?

WANNABE
< 18 correct in 3 mins

GARAGE ROCKER
18-19 correct in 3 mins

BUSKER
20-21 correct in 3 mins

GIGGER
22-24 correct in 3 mins

UNSIGNED ACT
25-29 correct in 3 mins

BREAKTHROUGH ARTIST
30-35 correct in 3 mins

SUPPORT ACT
36-44 correct in 3 mins

HEADLINER
45-59 correct in 3 mins

ROCK STAR
All correct in ≤ 3mins

ROCK LEGEND
All correct in ≤ 2min

ROCK HERO
All correct in ≤ 1 min

TIMES TABLES ROCK STARS

TT Rockstars answers

Name:_____

Times Tables Rock Stars

3,4,8 Times Tables

Licensed to Howley Grange Primary School

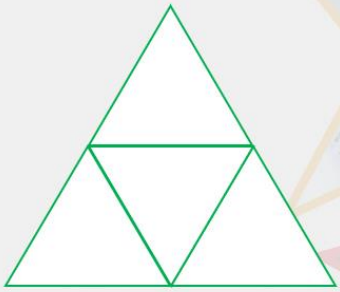
1) 4 × 9 = 36	13) 4 × 8 = 32	25) 8 × 11 = 88	37) 4 × 3 = 12	49) 3 × 1 = 3
2) 4 × 12 = 48	14) 4 × 1 = 4	26) 3 × 7 = 21	38) 3 × 1 = 3	50) 3 × 4 = 12
3) 8 × 1 = 8	15) 8 × 7 = 56	27) 4 × 11 = 44	39) 3 × 1 = 3	51) 4 × 8 = 32
4) 8 × 2 = 16	16) 3 × 7 = 21	28) 4 × 3 = 12	40) 8 × 3 = 24	52) 3 × 10 = 30
5) 3 × 12 = 36	17) 4 × 2 = 8	29) 3 × 3 = 9	41) 8 × 11 = 88	53) 4 × 1 = 4
6) 3 × 5 = 15	18) 3 × 6 = 18	30) 3 × 8 = 24	42) 3 × 6 = 18	54) 8 × 7 = 56
7) 8 × 8 = 64	19) 4 × 4 = 16	31) 4 × 2 = 8	43) 4 × 12 = 48	55) 8 × 11 = 88
8) 4 × 1 = 4	20) 8 × 1 = 8	32) 4 × 1 = 4	44) 3 × 9 = 27	56) 8 × 2 = 16
9) 4 × 6 = 24	21) 3 × 8 = 24	33) 8 × 9 = 72	45) 3 × 8 = 24	57) 3 × 2 = 6
10) 4 × 1 = 4	22) 8 × 3 = 24	34) 8 × 6 = 48	46) 3 × 1 = 3	58) 3 × 6 = 18
11) 8 × 4 = 32	23) 8 × 9 = 72	35) 8 × 5 = 40	47) 4 × 11 = 44	59) 3 × 2 = 6
12) 3 × 6 = 18	24) 4 × 1 = 4	36) 3 × 8 = 24	48) 3 × 3 = 9	60) 3 × 12 = 36

Wednesday's Maths

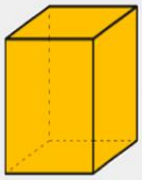
Warm up – today I've had to mix and match questions as not all of the activities can be completed at home.

Varied Fluency 3

Which 3D shape does this net make?

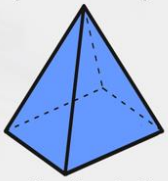


Which description matches the 3D shape?

2 square faces and 12 vertices.		4 rectangular faces and 8 vertices.

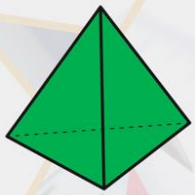
Varied Fluency 2

Emily makes a square based pyramid.



Emily

James

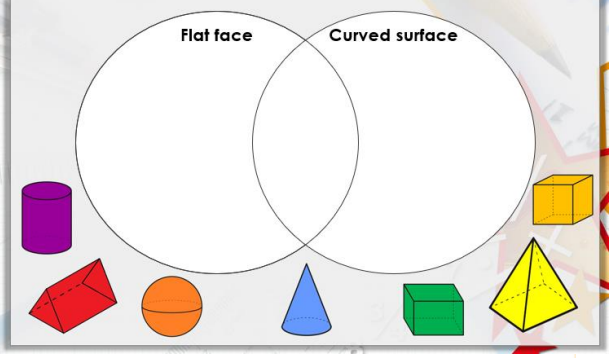


James makes a triangular based pyramid.

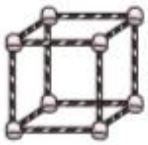
Describe the similarities and differences between their shapes.

Introduction

Sort the 3D shapes.



4 Annie makes a cube using some straws and marshmallows.



a) What did she use to make the edges of the cube?

_____

b) How many edges does the cube have? ☐

c) What did she use for the vertices of the cube?

_____

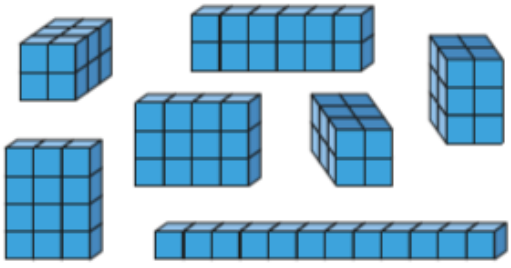
d) How many vertices does the cube have? ☐

5 How many straws and marshmallows would you need to make each 3D shape?

3D shape	Number of edges (straws)	Number of marshmallows (vertices)
		
		
		

7 Filip has 12 cubes.

He puts them together to make cuboids.



How many **different** cuboids has Filip made? ☐

Problem Solving 1

You have the following resources:

Straws (8)

Playdough balls (5)

What 3D shapes can you make?

Construct 3D Shapes

1a. Which description matches the 3D shape?

Two circular faces and one curved surface.

Two straight edges.

VF

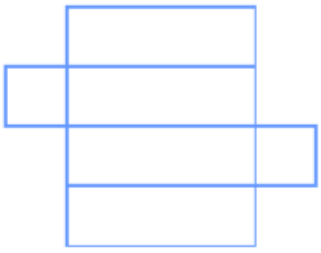
2a. Zoe makes a cube.

Geoff makes a cuboid.

Describe the similarities and differences between their shapes.

VF

3a. Which 3D shape does this net make?



A.

B.

VF

4a. Complete the table of resources needed to make the shape.

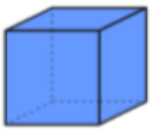
Shape	Straws	Playdough balls
Cuboid		

VF

Construct 3D Shapes

1b. Which description matches the 3D shape?

6 faces and 6 vertices.



6 faces and 8 vertices.

VF

2b. Teresa makes a cone.

Tom makes a pyramid.

Describe the similarities and differences between their shapes.

VF

3b. Which 3D shape does this net make?

A.

B.

VF

4b. Complete the table of resources needed to make the shape.

Shape	Straws	Playdough balls
Cube		

VF

Developing

Use your shape word mats to help you with these questions.

1a. You have the following resources:

Straws (6)

Playdough balls (4)

Which 3D shape can you make?

PS

1b. You have the following resources:

Straws (12)

Playdough balls (8)

Which 3D shape can you make?

PS

Developing answers

Varied Fluency
Construct 3D Shapes

Developing

1a. Two circular faces and one curved surface.

2a. Various possible answers include: They have the same number of faces, vertices & edges, but the cuboid is taller.

3a. B, cuboid

4a. Straws: 12
Play dough balls: 8

Varied Fluency
Construct 3D Shapes

Developing

1b. 6 faces and 8 vertices.

2b. Various possible answers include: They both have a vertex at the top of the shape (an apex). The cone has a curved surface but the pyramid only has flat faces.

3b. A, square based pyramid

4b. Straws: 12
Play dough balls: 8

Reasoning and Problem Solving
Construct 3D Shapes

Developing

1a. Triangular based pyramid

Reasoning and Problem Solving
Construct 3D Shapes

Developing

1b. Cuboid

Expected

Construct 3D Shapes

5a. Which description matches the 3D shape?

Five vertices and all faces the same.

Five vertices and five faces.

VF

Construct 3D Shapes

5b. Which description matches the 3D shape?

One curved surface and two circular faces.

One curved surface and one circular face.

VF

6a. Steph makes a cylinder.

Ramazan makes a cube.

Describe the similarities and differences between their shapes.

VF

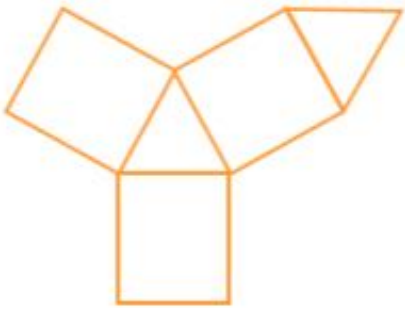
6b. Daneel makes a triangular prism.

Natalie makes a cuboid.

Describe the similarities and differences between their shapes.

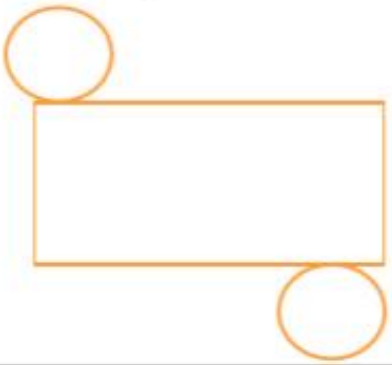
VF

7a. Which 3D shape does this net make?



VF

7b. Which 3D shape does this net make?



VF

8a. Complete the table of resources needed to make the shape.

Shape	Straws	Playdough balls
Triangular-based pyramid		

VF

8b. Complete the table of resources needed to make the shape.

Shape	Straws	Playdough balls
Square-based pyramid		

VF

Expected continued

1) Using straws for straight edges and balls of modelling clay for vertices, how many of each would you need to build a pyramid with a hexagonal base?

Straws: ☐ Modelling clay balls: ☐

2) You have 8 straws and 6 balls of modelling clay. Circle the names of the shapes you could make using these:

cube sphere triangular prism square-based pyramid cone

6. Using the given resources, determine whether the statements below are true or false.

A. You can construct a cube.

9 sticky tack balls

B. You can construct a triangular prism.

12 Matchsticks

Explain how you know.

RPS
HW/Ext

Expected answers

Expected
5a. Five vertices and five faces.
6a. Various possible answers include: They are both prisms. The cylinder has one curved surface and 2 flat circular faces, whereas the cube has 6 flat square faces.
7a. Triangular prism
8a. Straws: 6
Play dough balls: 4

Expected
5b. One curved surface and one circular face.
6b. Various possible answers include: They both have rectangular faces. The cuboid has 12 edges whereas the triangular prism has only 9.
7b. Cylinder
8b. Straws: 8
Play dough balls: 5

1) Straws: *12* Modelling clay balls: **7**

2)

cube sphere triangular prism square-based pyramid cone

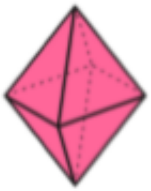
6. A is false because the matchsticks are unequal.
B is true because you would only need 9 matchsticks and 6 sticky tack balls.

Greater depth

Construct 3D Shapes

9a. Which description matches the 3D shape?

8 faces and 8 edges.



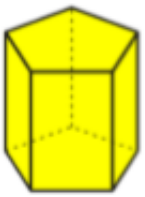
8 faces and 6 vertices.

VF

Construct 3D Shapes

9b. Which description matches the 3D shape?

7 faces and 15 vertices.



7 faces and 15 edges.

VF

10a. Alex makes a hexagonal prism.

Mariyam makes a hexagonal based pyramid.

Describe the similarities and differences between their shapes.

VF

10b. Simone makes a pentagonal pyramid.

Tyronne makes a triangular prism.

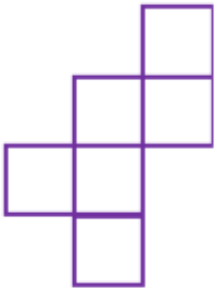
Describe the similarities and differences between their shapes.

VF

11a. Which 3D shape does this net make?

VF

11b. Which 3D shape does this net make?



VF

12a. Complete the table of resources needed to make each shape.

Shape	Straws	Playdough balls
Pentagonal-based pyramid		

VF

12b. Complete the table of resources needed to make each shape.

Shape	Straws	Playdough balls
Hexagonal Prism		

VF

Greater depth continued

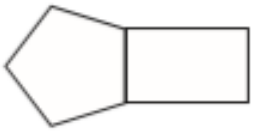
1) Using straws for straight edges and balls of modelling clay for vertices, how many of each would you need to build a pyramid with a hexagonal base?

Straws: ☐ Modelling clay balls: ☐

2) You have 8 straws and 6 balls of modelling clay. Circle the names of the shapes you could make using these:

cube sphere triangular prism square-based pyramid cone

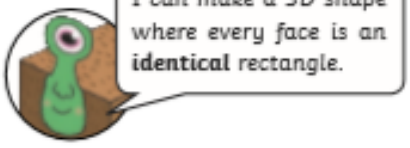
1) Complete the net below so that it would make a pentagonal prism when built:



Is there more than one way of completing it that will work?

_____

2) One of the 3D shape aliens says:



Investigate this by using squared or isometric (dotty) paper, or interlocking rectangular shapes, to see if she is correct.

Is she correct?

_____

What 3D shape have you made?

_____

Greater depth answers

Greater Depth

9a. 8 faces and 6 vertices.

10a. Various possible answers include: Both shapes have hexagonal faces. The prism has 2 hexagonal faces whereas the pyramid only has one. The prism has 12 vertices and 18 edges, whereas the pyramid has 7 vertices and 12 edges.

11a. Hexagonal-based pyramid

12a. Straws: 10
Play dough balls: 6

Greater Depth

9b. 7 faces and 15 edges.

10b. Various possible answers include. They both have 6 vertices and some triangular faces. The pentagonal prism has 6 faces, 5 of which are triangles. The triangular based pyramid has 2 triangular faces and 3 rectangular faces

11b. Cube

12b. Straws: 18
Play dough balls: 12

1) Straws: ***12*** Modelling clay balls: **7**

2)

cube sphere triangular prism square-based pyramid cone

1) *Multiple answers possible. Ensure that children have used 5 rectangles of the same size and 2 pentagons of the same size (including the ones already provided).*

Yes, there are several ways of making a net for a pentagonal prism.

2) *Yes, the alien is correct if the identical rectangles are specifically squares.*

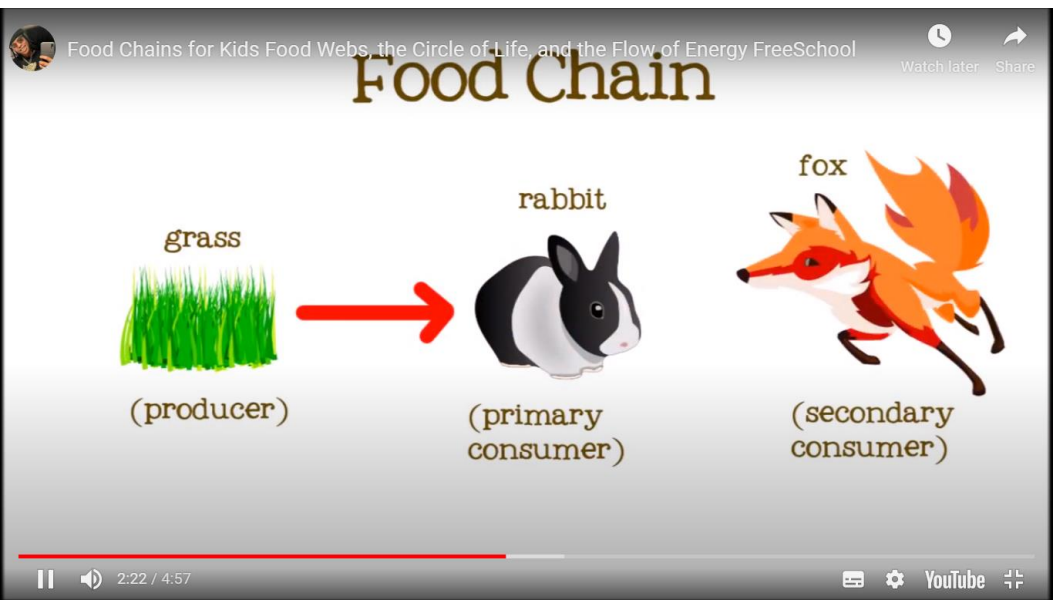
A cube

Wednesday English : What is a food chain?

Today we are going to look at food chains and what part plants play in the food chain. Watch the video on BBC bitesize and then you can complete the activity and quiz on the website.

https://www.bbc.co.uk/bitesize/topics/zbnnb9q/articles/zwbtxsg

Now watch this video that talks about food chains. After you have watched the video complete the activities on the next slides.



https://www.youtube.com/watch?time_continue=147&v=OjuFytgtaqw&feature=emb_logo

Food Chains: activities

Follow the link to do some independent research about food chains and why they are important: https://www.dkfindout.com/uk/animals-and-nature/food-chains/

Then complete the worksheet below using the key words.

Use these words to complete the text below.

omnivores sun carnivores birds shellfish vertebrates backbone plants herbivores consumers reproduce

Animals are divided into two groups: invertebrates and _____. Vertebrates are animals that have a _____ or a spine. Vertebrates include: fish, mammals, _____, amphibians and reptiles. Invertebrates do not have a backbone;two examples of invertebrates are worms and _____.

There are four main life processes that all living things do; these are move, _____, grow and take nutrition. All living things are part of the food chain; at the bottom of the food chain are the producers: these are always _____. Plants get their energy from the _____. All other living things either eat plants or eat something that eats plants, they are called _____. Animals that only eat plants are called _____. Animals that eat other animals are called _____. Animals that eat plants and animals are called omnivores. Humans are _____.

Food Chains: ANSWERS

Use these words to complete the text below.

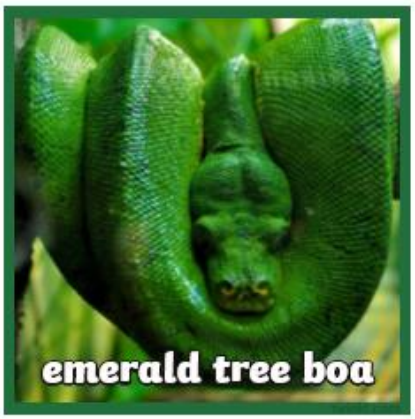
omnivores sun carnivores birds shellfish vertebrates backbone plants herbivores consumers reproduce

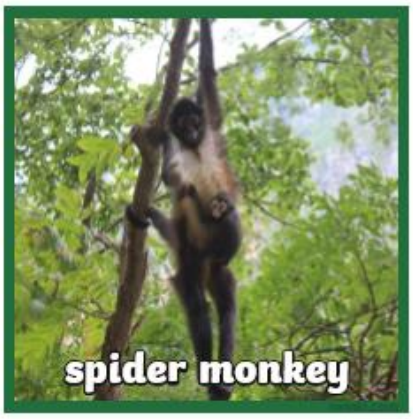
Animals are divided into two groups: invertebrates and ___vertebrates___. Vertebrates are animals that have a ___backbone___ or a spine. Vertebrates include: fish, mammals, ___birds___, amphibians and reptiles. Invertebrates do not have a backbone:two examples of invertebrates are worms and ___shellfish___.

There are four main life processes that all living things do; these are move, ___reproduce___, grow and take nutrition. All living things are part of the food chain; at the bottom of the food chain are the producers: these are always ___plants.___. Plants get their energy from the ___sun___. All other living things either eat plants or eat something that eats plants, they are called ___consumers___. Animals that only eat plants are called ___herbivores___. Animals that eat other animals are called ___carnivores___. Animals that eat plants and animals are called omnivores. Humans are ___omnivores___.

Making food chains

Cut out the pictures of the rainforest animals and make as many food chains as you can.





Making food chains

Once you have made a food chain you will need to record it. You can do this using a table like this one:

OR

You can create your own way of recording, you may wish to draw pictures and use arrows. But don't forget use the key words.

How many can you create?

Keywords

producer → prey → predator

producer → prey → both predator and prey → predator

producer coconut tree →	**prey** fruit bat →	**predator** emerald tree boa	
producer coconut tree →	**prey** grasshopper →	**both predator and prey** red-eyed tree frog →	**predator** jaguar

It's Well being Wednesday!

This week we are thinking about our friends. I know that I am missing my friends at the moment. Keeping in touch by Zoom and phone calls just isn't the same.

1. Think about why friends are important.
2. Think about what makes a good friend.
3. Think of ways that you can be a good friend.