

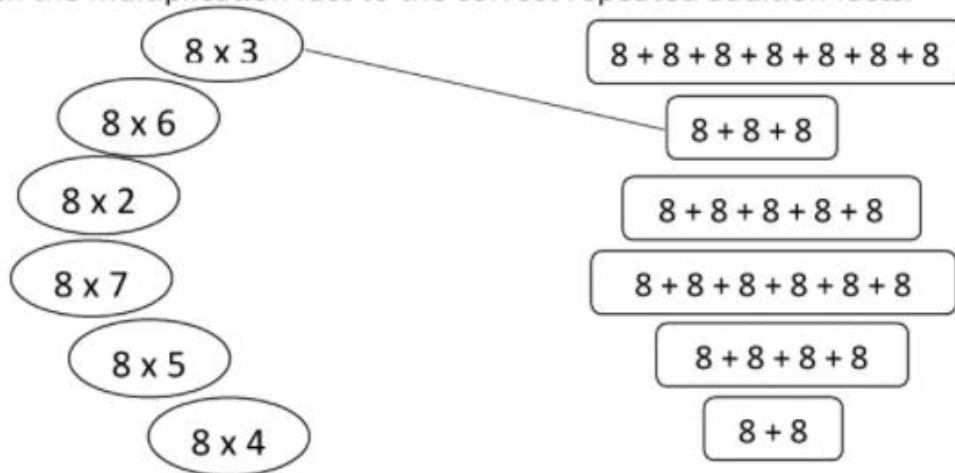
### Year 3: Numeracy Week 2 Day 1

Each day complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

#### Times Tables Starter

1. Log into Times Tables Rock Stars and practice your 8x table.
2. Work out the answers below.

Match the multiplication fact to the correct repeated addition facts.



#### Main Task

Using and applying knowledge of the properties of 3D shapes.

<https://classroom.thenational.academy/lessons/using-and-applying-knowledge-of-the-properties-of-3d-shapes-c8vk8d>

Task one:

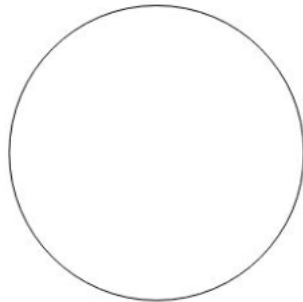
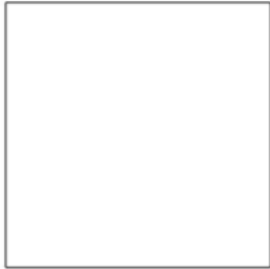


**While shopping, I bought items that used these 3-D shapes. What could the items have been?**

cuboid	
cone	
cylinder	
cube	
sphere	
triangular prism	

Task two: When looking directly down at some 3-D shapes, this is what I see.

What could those 3-D shapes be?



Write your answers here:

## Year 3: Numeracy Week 2 Day 2

**Each day complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.**

## Times Tables Starter

1. Log into Times Tables Rock Stars and practice your 4x table.
2. Complete the multiplication grid below. Time how long it takes you to complete it.

[illegible]

## Main task

### Identifying the properties of constructed 3D shapes.

<https://classroom.thenational.academy/lessons/identifying-the-properties-of-constructed-3-d-shapes-60r3jd>

### 3-D shape vocabulary

#### Face

A corner where edges meet.

#### Edge

A flat or curved surface on a 3-D shape.

#### Vertex

Corners where edges meet.

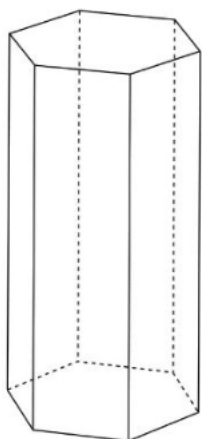
#### Vertices

The area where 2 faces meet.

#### Apex

The vertex at the top of the shape.

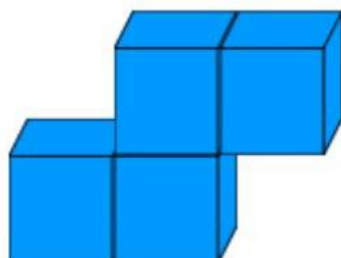
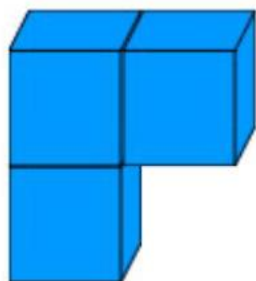
Task one: Use the vocabulary to describe the 3D shape below.



*'This shape has \_\_\_\_ faces with  
\_\_\_\_ edges.'*

*There are \_\_\_\_ vertices  
with/without an apex.'*

Task two: What is the difference between the properties of these 3-D shapes?



1	
2	

### Year 3: Numeracy Week 2 Day 3

Each day complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

#### Times Tables Starter

1. Log into Times Tables Rock Stars and practice your 6x table.
2. Complete the tasks below using your knowledge of the 6 times table.

Help Newton to find his way out of the maze by shading the path counting in 6s up to 60.



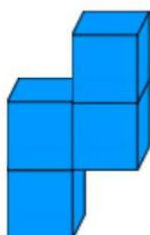
IN	6	11	30	36	42	
	12	18	24	43	48	
	16	25	26	58	54	
	22	31	29	57	60	OUT
	28	34	39	43	44	

#### Main Task

Problem solving using 2D representations using 3D shapes.

<https://classroom.thenational.academy/lessons/problem-solving-using-2-d-representations-of-3-d-shapes-c8w64d>

Task one: Can this shape be represented using a 2-D format?



Task two:

Dear pupils,  
We wondered whether you could design us  
some homes. **Each home should be made out  
of 4 cubes and we would like 12 different  
homes designed.**

Many thanks,  
Nevile, Lucy, Simon & Flo



Draw your designs below:

### Year 3: Numeracy Week 2 Day 4

Each day complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

#### Times Tables Starter

1. Log into Times Tables Rock Stars and practice your 6x table.
2. Draw a line through each maze using your knowledge of the 6 times table.

0	6	12	14	20
5	13	18	23	28
36	30	24	29	70
42	48	54	60	64
46	52	58	66	72

72	66	50	40	44
64	60	42	36	38
58	54	48	30	32
32	26	18	24	28
20	16	12	6	0

#### Main Task

##### Consolidating 3D shape learning

<https://classroom.thenational.academy/lessons/consolidating-3d-shape-learning-crwp2c>

#### **3-D shape vocabulary**

##### **Face**

A corner where edges meet.

##### **Edge**

A flat or curved surface on a 3-D shape.

##### **Vertex**

Corners where edges meet.

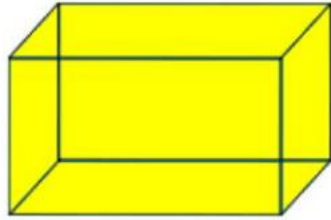
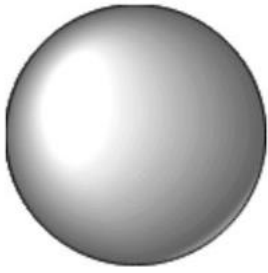
##### **Vertices**

The area where 2 faces meet.

##### **Apex**

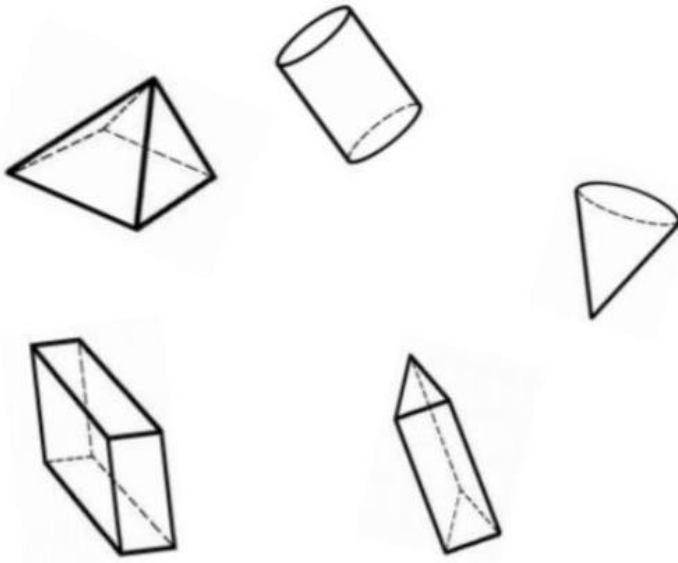
The vertex at the top of the shape.

Task one: Can you use the vocabulary to label these shapes?



*'This shape is called a \_\_\_\_\_ and has \_\_\_\_\_ faces, \_\_\_\_\_ edges and \_\_\_\_\_ vertices.'*

Task two: The following shapes are divided into 2 groups according to their properties: what could the groups be?



E.g. 'Has flat surfaces',  
'Has curved surfaces'.

Write your answers here:



### Year 3: Numeracy Week 2 Day 5

Each day complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

#### Times Tables Starter

1. Log into Times Tables Rock Stars and practice your 8x table.
2. Complete the four number sentences using the following numbers. Each line needs to include each number.

	6	8	48	
_____	X	_____	=	_____
_____	X	_____	=	_____
_____	÷	_____	=	_____
_____	÷	_____	=	_____

#### Main Task

##### Consolidating 3D shape learning

<https://classroom.thenational.academy/lessons/consolidating-3d-shape-learning-crwp2c>

#### 3-D shape vocabulary

##### Face

A corner where edges meet.

##### Edge

A flat or curved surface on a 3-D shape.

##### Vertex

Corners where edges meet.

##### Vertices

The area where 2 faces meet.

##### Apex

The vertex at the top of the shape.

Task one:

This shape has six rectangular faces.

**What is the shape?**

**What else can you tell me about it?**

This shape has zero vertices and zero straight edges.

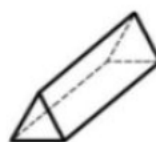
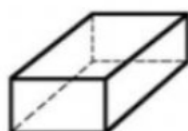
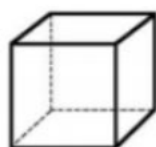
**What is the shape?**

**What else can you tell me about it?**

Task two:



**I have some shapes in a bag. In total, there are 12 faces and 12 vertices. What could my shapes be?**



Task three: Complete the table using items that you can find in your house or around the classroom.

Shape	Items	Properties
Cuboid		
Triangular prism		
Cone		
Cylinder		