

# Hawk Signposts 13



## A Universe of Possibilities

View NASA's images of the day here:  
<https://www.nasa.gov/multimedia/imagegallery/iotd.html>

Create a piece of writing inspired by one of these pictures. You could write a diary entry about a day in the life of an astronaut, an explanation text about the solar system, a story set in outer space...whatever you like!

### Success criteria:

- Use a range of sentence starters;
- Use ambitious vocabulary;
- Write a minimum of three paragraphs.

## Space Explorers

Follow this link for a variety of space-themed activities created by NASA:  
<https://www.nasa.gov/stem-at-home-for-students-5-8.html>

Choose one of the activities to complete: create an edible model of the sun, make a Jupiter orbit, make a cardboard rover, make asteroids you can eat, print and build universe spacecraft models, make a jellybean universe or make model greenhouse gas molecules!

If you can't do any of these for whatever reason, create a slideshow or poster about something you have learned from the NASA website.

**Maths – See the problems on page 2 which are a mixture of arithmetic questions and problem-solving questions all based on things we've learned in class.**

Complete your work on your google classroom account wherever possible and submit this to Miss Hill for marking. You can also send pictures of work you have done on paper, or photos of activities, to [nhill@meldreth.cambs.sch.uk](mailto:nhill@meldreth.cambs.sch.uk) or over your starz account.

## Arithmetic Questions

1)	$17 \times 43$
2)	$24 + 18 \div 9$
3)	$\frac{3}{4} \times \frac{2}{7}$
4)	$1428 \div 3$
5)	35% of 380
6)	$2652 \div 17$
7)	$\frac{2}{7}$ of 35
8)	$2.9 \times 1000$
9)	$\frac{3}{4}$ of 980
10)	$20 \div (2 \times 5)$

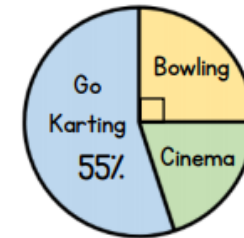
A 10 pence coin is 2 mm thick.



Daniel makes a pile of 10 pence coins worth £1.30  
What is the height of the pile of coins in centimetres?

## Reasoning Questions

20 children were asked where they would like to go on a trip. The pie chart shows the results.



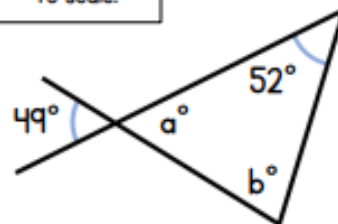
What percentage of children chose bowling? \_\_\_\_\_

What percentage of children chose the cinema? \_\_\_\_\_

How many children want to go Go Karting? \_\_\_\_\_

Calculate the missing angles in the triangle.

Not drawn  
to scale.



a = \_\_\_\_\_

b = \_\_\_\_\_

A milkman delivers milk, 4 times a week.  
On each delivery day, he delivers three pints of milk to the doctors' surgery  
How many millilitres of milk does the surgery have delivered each week?

