

Year 3 Maths

Addition and Subtraction

Addition Pyramids

16		
7	9	
3	4	5

Add the two numbers next to each other to get the answer above e.g.

$$3 + 4 = 7$$

$$4 + 5 = 9$$

$$7 + 9 = 16$$

Generate a 3 digit number for the bottom and work your way up the pyramid. You could also get a grown up to generate one missing some numbers so that you have to fill in the missing numbers e.g.

6	9	
5		8

$$5 + _ = 6 \text{ (as above)}$$

$$_ + 8 = 9$$

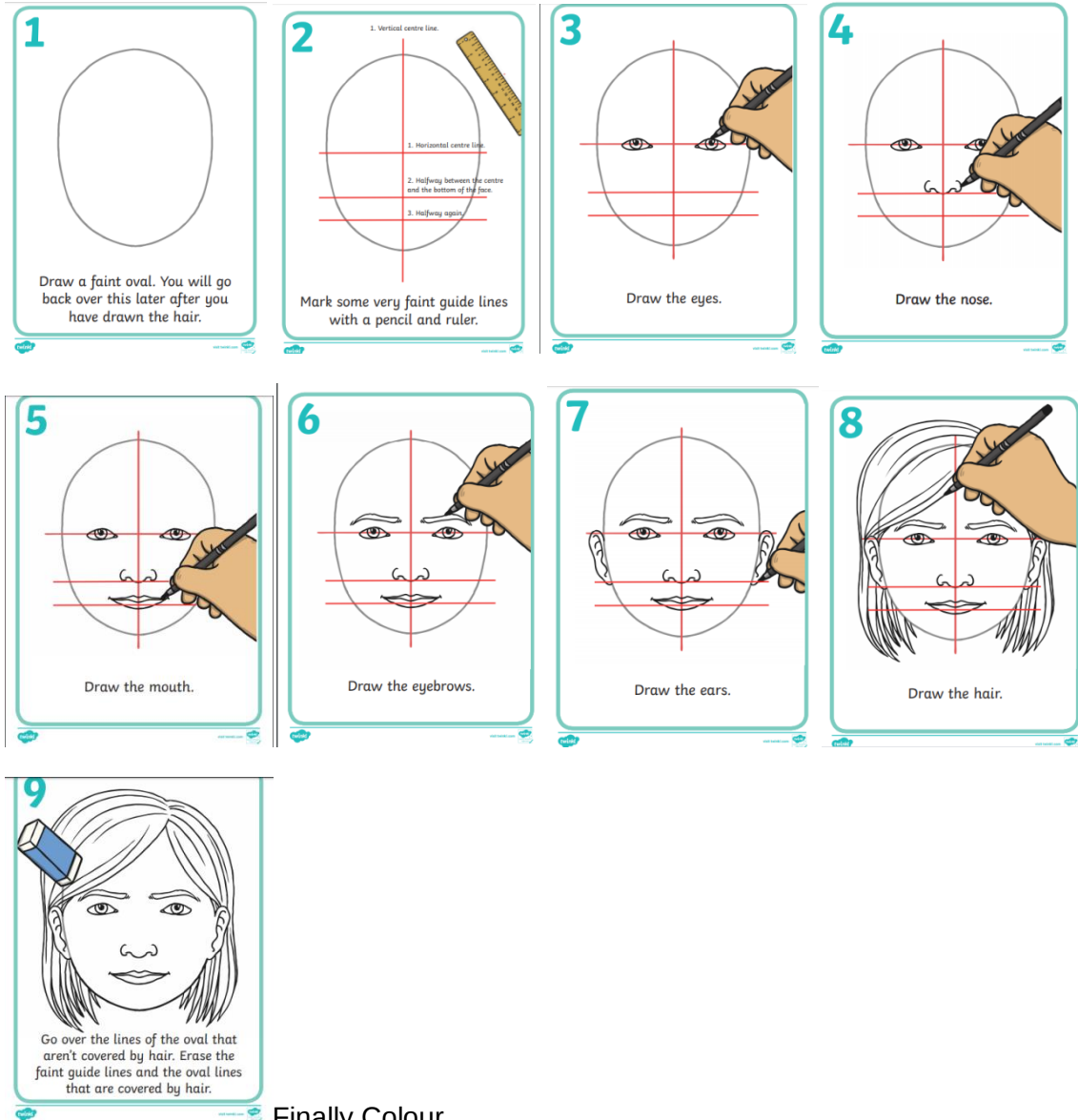
$$6 + 9 =$$

You could make this easier/harder by the amount of boxes you use. You could create 'Pyramids' with 3/6/10 boxes using addition. Can you also use subtraction to work backwards?

Properties of Shape Including Horizontal and Vertical Lines and Symmetry

How to draw a face?

You look at people's faces every day, but have you ever taken time to try to draw them? Use this useful guide to help you to draw a family/friend's face. There is a lot more maths involved than you would first think. Can you think of any other maths involved?



Finally Colour

Throughout the process ask yourself the following questions...

- Were you accurate when drawing your lines? Could you measure those lines once they are drawn? Could you predict how long the lines will be in cm and mm?
- Can you remember which lines are vertical or horizontal?
- Can you find any right angles where the vertical and horizontal lines meet? Which parts of the face you have drawn are symmetrical?
- Since drawing and then colouring have you noticed any differences in symmetry? Are both sides exactly the same in colour?

Worded Problems

Mysterious Maths at Sea

1. Captain George has a crew of 32, 29 of which own a parrot. How many more pirates are there than parrots?
2. Captain Big Beard is expecting to reach the shore at half past 2 in the afternoon. Record this on a 24 hour digital clock.
3. Along the shoreline are 14 crabs. Each crab has 10 legs. How many legs are there in total?
4. There are 36 hermit crabs along the beach and 8 shiny new shells. How many crabs will not be able to find a new shell?
5. Alex buys a portion of chips for 75p. A large portion is 35p more. How much will it cost him in total to buy the large portion?
6. There are 38 people swimming in the ocean. 19 swimmers get too cold and get out and 15 more people get in. How many people are swimming in total now?
7. Sammy has a 100ml bottle of water. She drinks 60ml. How much does she have left?
8. A fisherman needs to catch 100 fish a day. So far he has caught 46. How many more does he need to catch?
9. Jodie gets to the beach at 10am. She stays for 2 and a half hours. At what time does she leave?
10. Paul buys an ice cream for 86p. He pays with a pound coin. How much change does he receive back?

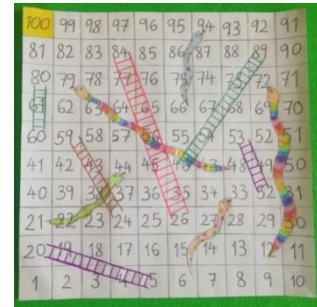
Now you could make up some of your own seaside related worded problems and then try to answer them (or get a friend/ family member to answer them).

Outdoor Maths Ideas

- Create a hopscotch using times table knowledge.



- Use chalk to create a hundred square (you could even make this into a giant snakes and ladders).



- Have you got any old bottles/tin cans in your recycling bin? Could you use these to make a skittle game? Add labels with questions on e.g $6 \times 3 = \underline{\quad}$. For every skittle that you knock down you need to answer the question correctly to get the point.

 7×4  $23+17$ 

67-24



27 divided by 3



double 15

- Use properties of shape knowledge to create your own shape bubble wand using straws/ twigs/ old branches (get creative). Get a grown up to help you to create bubble mixture using washing up liquid, glycerine and water or alternatively use a pre made mix. Add a label to your wand with a list of its properties.

