

The 30 Day Maths Challenge Part 2

This 30 Day Maths Challenge belongs to _____

Started on _____

Completed on _____

Welcome to the 30 day Maths Challenge Part 2!

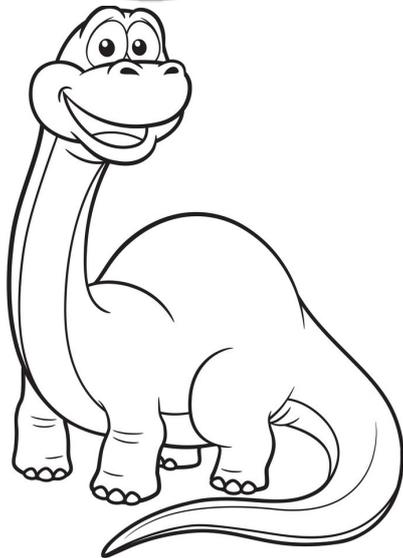
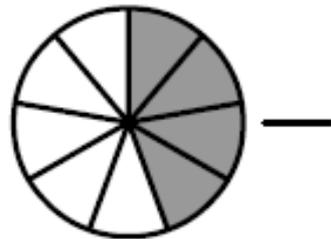
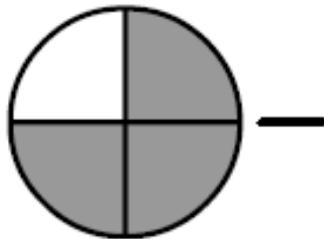
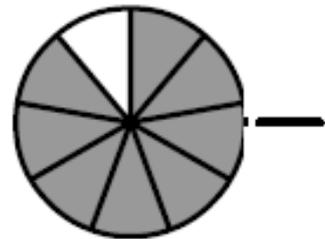
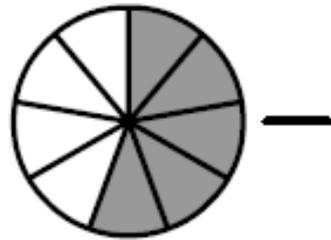
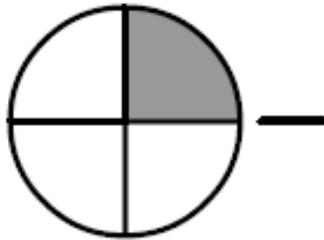
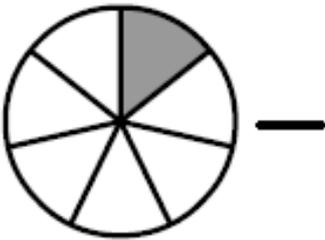
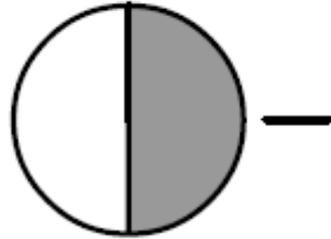
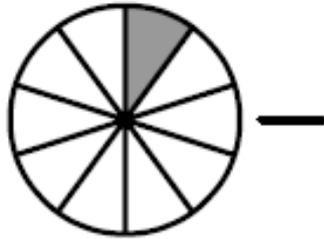
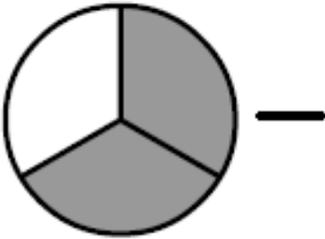
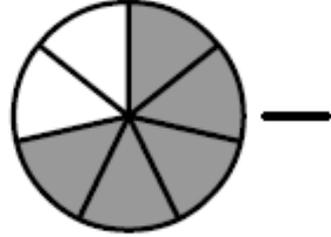
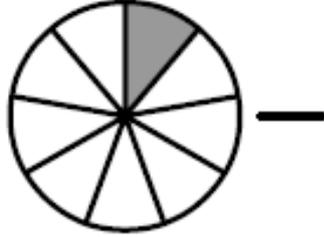
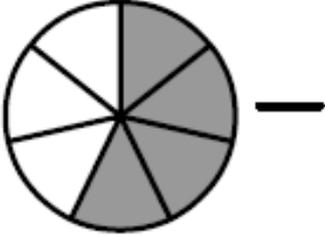
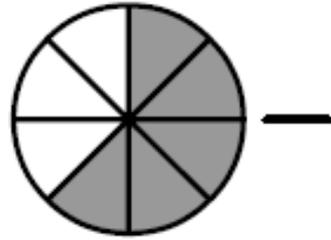
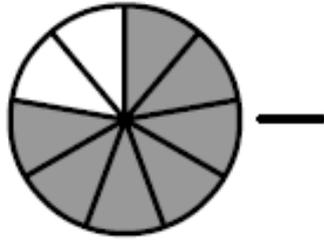
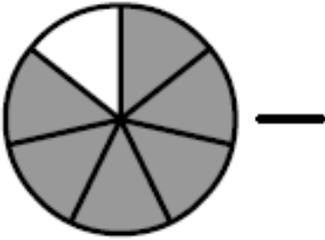
In this challenge, the expectation is that you are completing 1 page of maths a day. Some might take 30 seconds to whizz through, others may need some more careful thought...

It may also happen that you take a little longer than 30 days to complete and do some different maths based activities on different days (such as baking, telling the time, counting money) and that is fine!

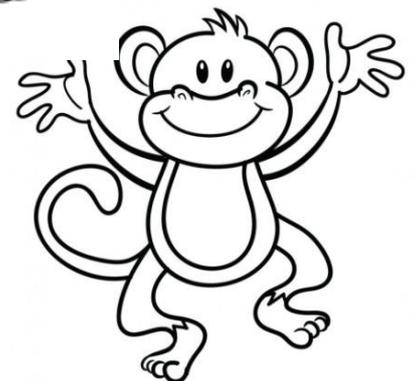
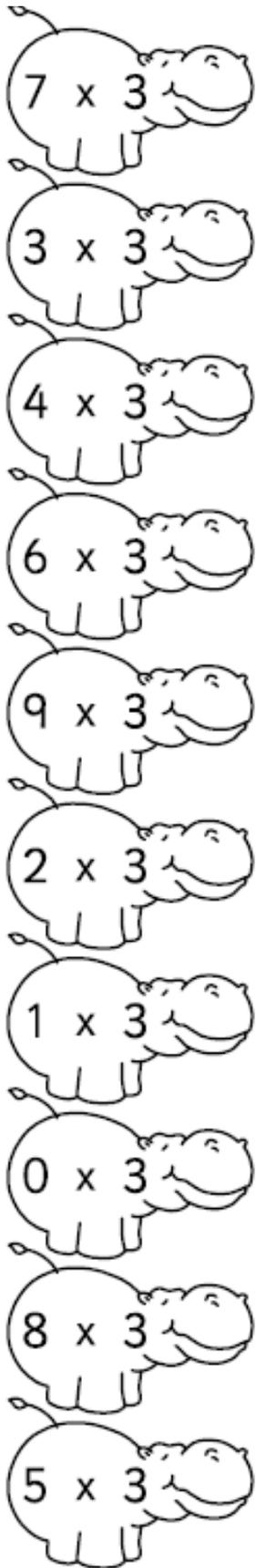
Once you've completed the maths on each page, you can take as long as you like to carefully colour in the animal on each page!

Note to parents: This booklet is designed to cover aspects of maths that we have covered in Class 3 and some aspects of the curriculum that we would have covered in the summer term. These aspects will be simpler than what we would have done in class but may need some adult support/additional learning to ensure they understand the concepts.

It might be worth spending 5 minutes or so going through the answers each day and making sure that there have been no misunderstandings or small mistakes by rushing through...but feel free to delegate this task to a willing older sibling!



Day 1: What fraction of the circle is shaded?



Day 2: Match the parent to its baby!

$$\begin{array}{r} 24 \\ \times 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ \times 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ \times 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ \times 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ \times 3 \\ \hline \\ \hline \end{array}$$

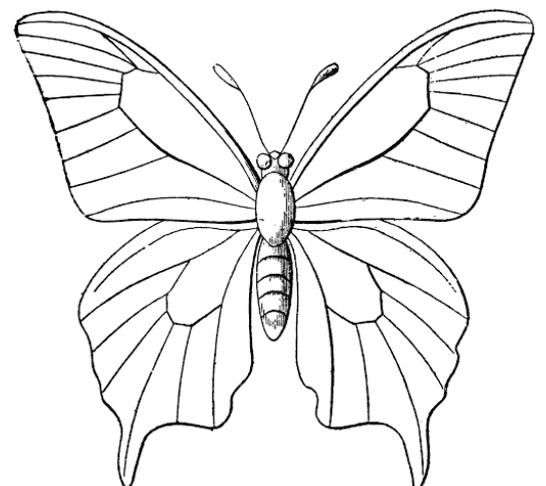
$$\begin{array}{r} 26 \\ \times 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 5 \\ \hline \\ \hline \end{array}$$

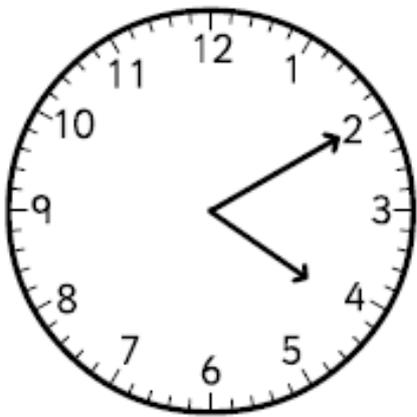
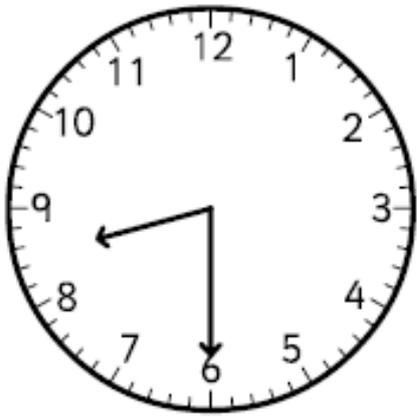
$$\begin{array}{r} 94 \\ \times 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ \times 5 \\ \hline \\ \hline \end{array}$$

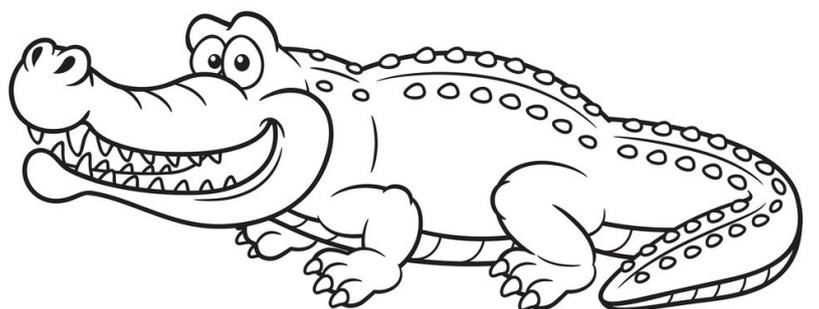
$$\begin{array}{r} 32 \\ \times 7 \\ \hline \\ \hline \end{array}$$



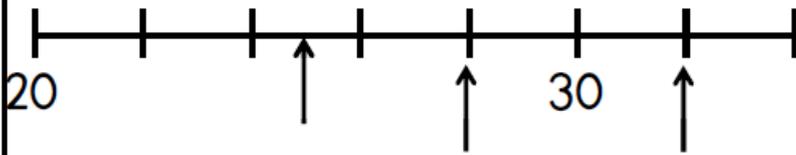
Day 3: Column multiplication



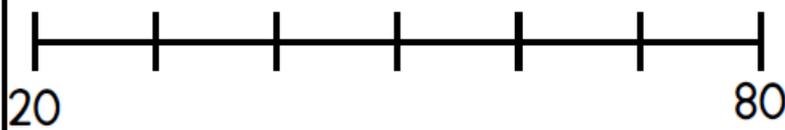
Day 4: What's the time?



Here is a number line.



What numbers are the arrows pointing to?



Draw an arrow to the number 65



Day 5: 3 questions to think through

Tim has 12 more stickers than John.

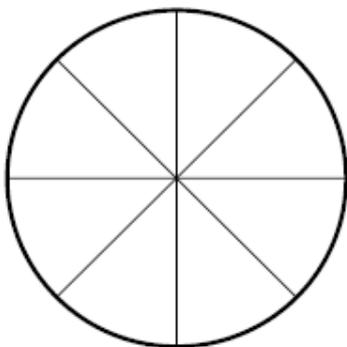
John has 20 stickers less than Filip.

John has 18 stickers.



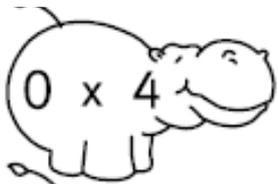
How many stickers do they have altogether?

A circle is divided into 8 equal parts.

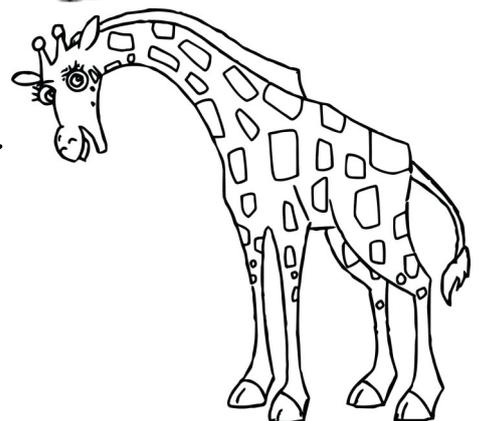


Shade $\frac{1}{2}$ of the parts red.

Shade $\frac{1}{4}$ of the remaining parts blue.



Day 7: Match the parent to its baby!

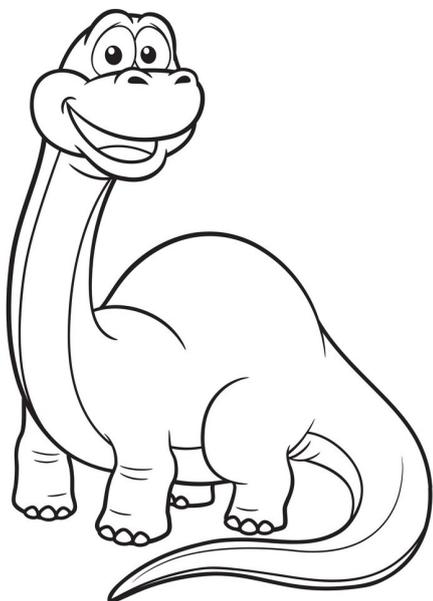


x	9	7	4
4			
5			
8			

x	5	1	8
9			
2			
5			

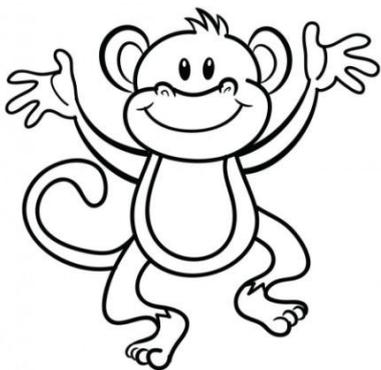
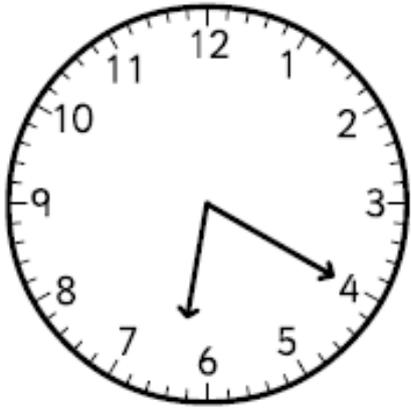
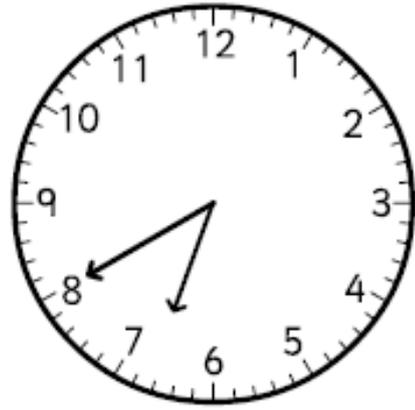
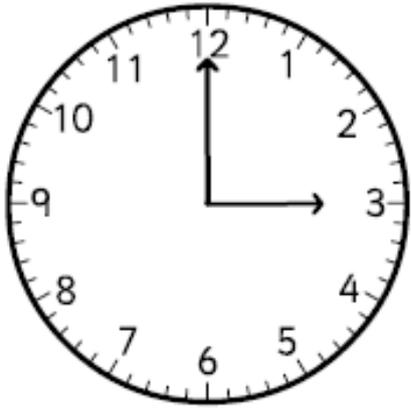
x	4	2	8
3			
5			
9			

x			
	30	35	40
	24	28	32
	12	14	16



Day 8: Multiplication Grids

Fill in the missing squares



Day 9: What's the time?

$$8 \overline{) 88}$$

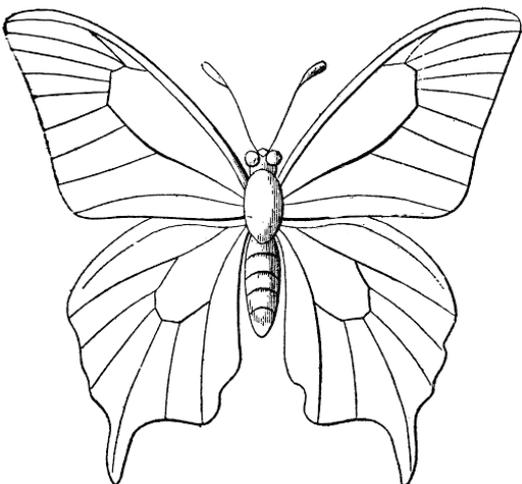
$$3 \overline{) 42}$$

$$8 \overline{) 96}$$

$$4 \overline{) 52}$$

$$3 \overline{) 57}$$

$$4 \overline{) 64}$$



Day 10: Bus stop division

Emma has 3 tins of paint.



Each tin contains 5 litres of paint.

Emma uses 7 litres of paint.

How many litres of paint does Emma have left?

Here are some numbers.

18

23

37

45

Max adds together two of the numbers.

His answer ends with a 5

What two numbers did Max add together?

Day 12: 3 questions to think through

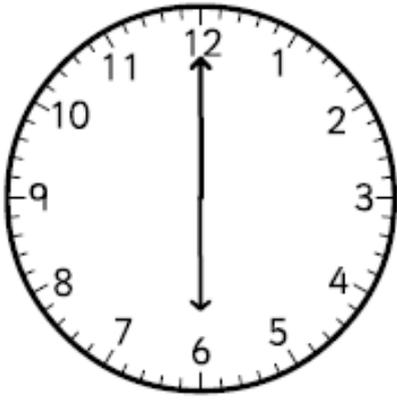
Complete the cards

$10 + 6$ is the same as $11 +$

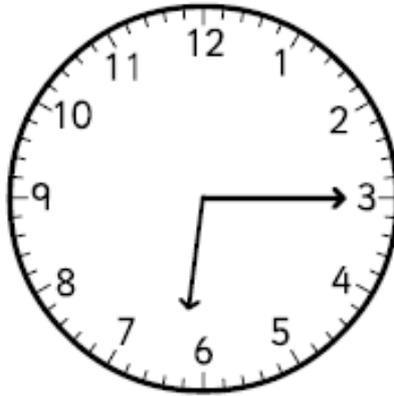
$10 + 6$ is the same as $9 +$

$15 - 3$ is the same as $20 -$

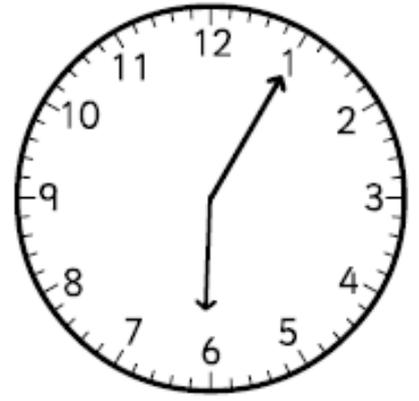




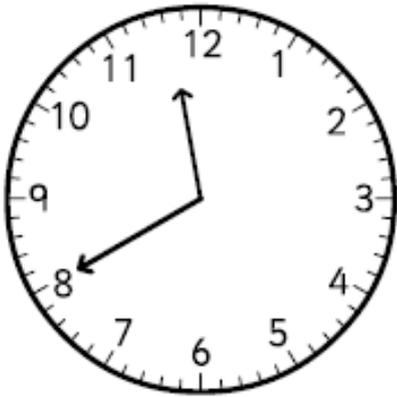
⋮



⋮



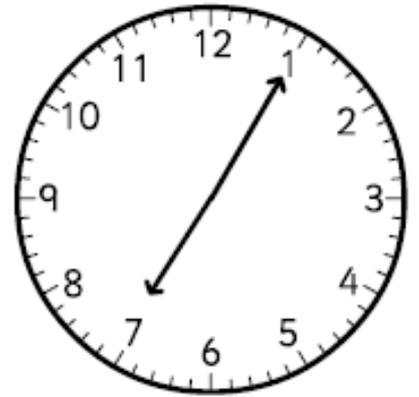
⋮



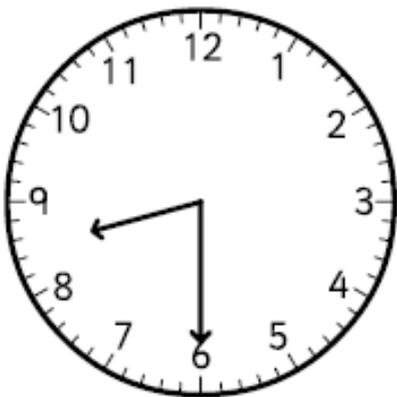
⋮



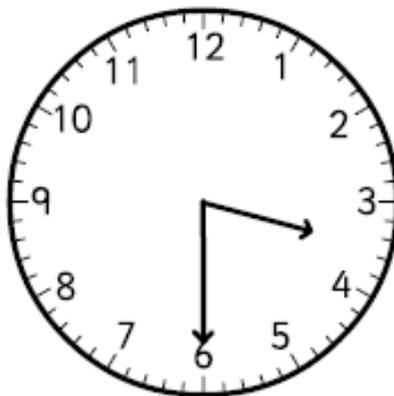
⋮



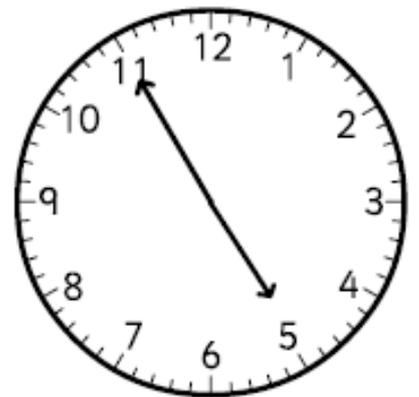
⋮



⋮

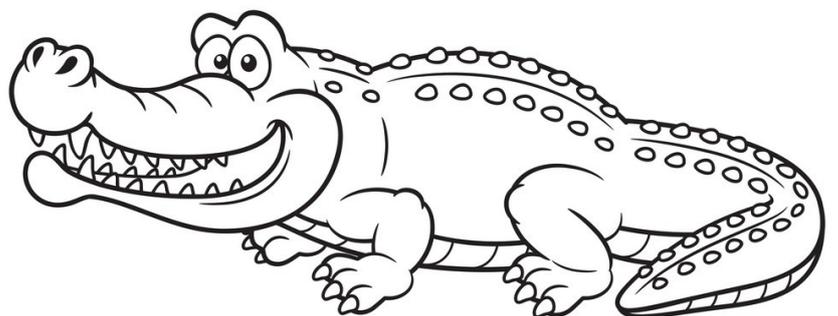


⋮



⋮

Day 12: What's the time? From analogue to digital



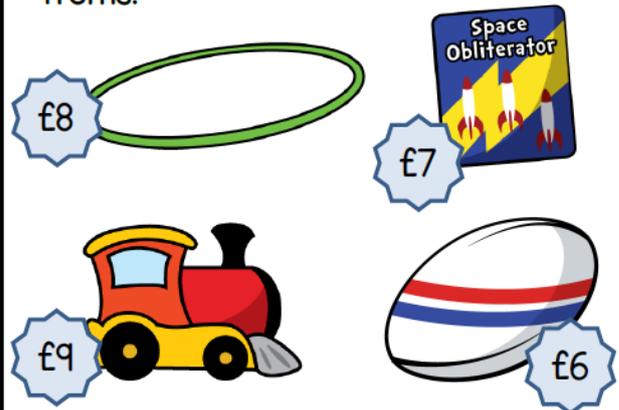
The table shows the mass of four dogs.

Dog	Mass
Casper	26 kg
Rusty	15 kg
Oliver	42 kg
Bumper	38 kg

Day 13: 3
questions to
think through

What is the *difference* between the mass of the lightest and heaviest dog?

Lee bought three of the following items.



He paid £21

Which item did he not buy?

Complete

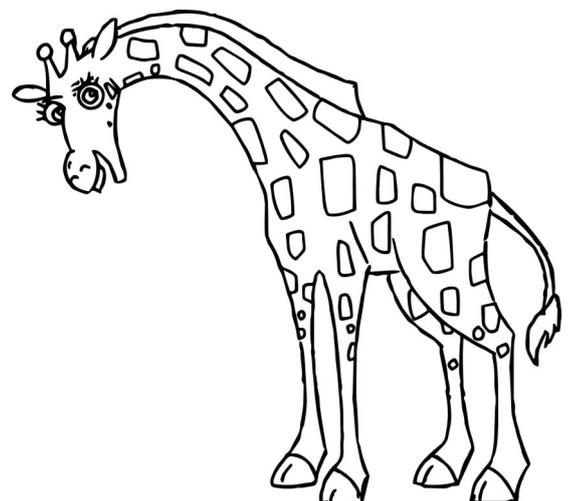
$$94 - 3 \text{ tens} = \square$$

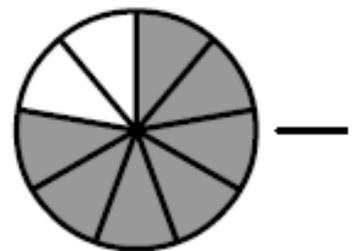
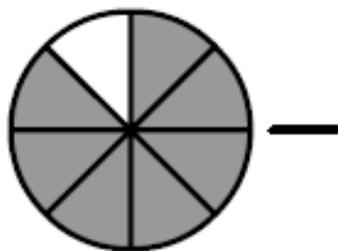
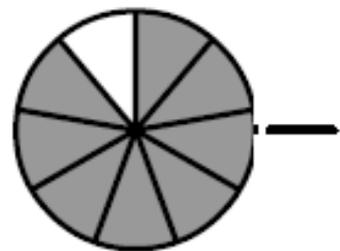
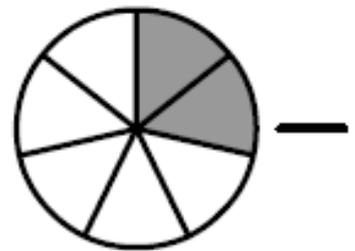
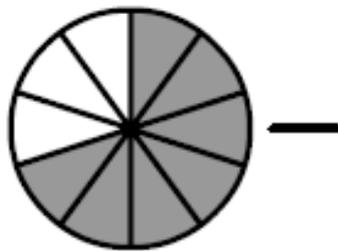
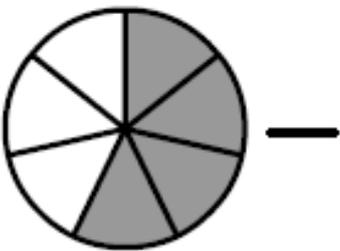
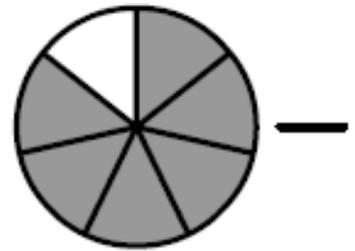
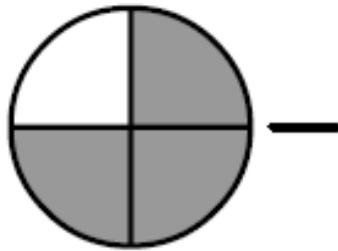
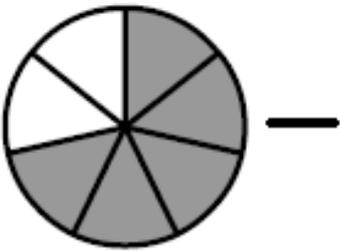
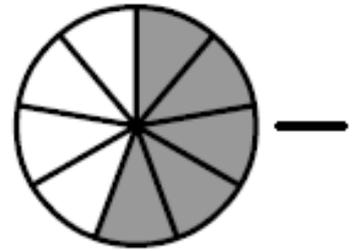
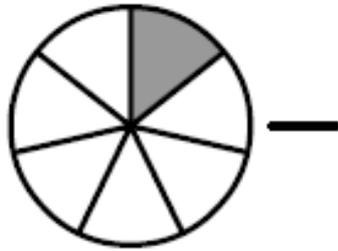
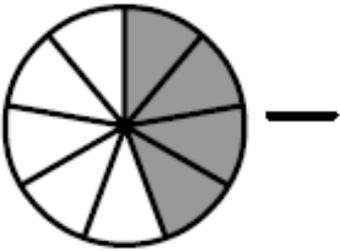
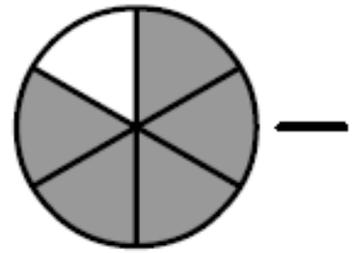
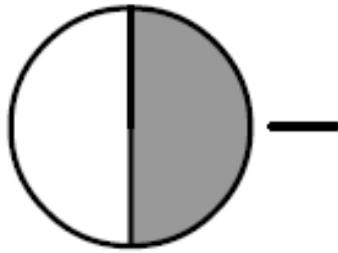
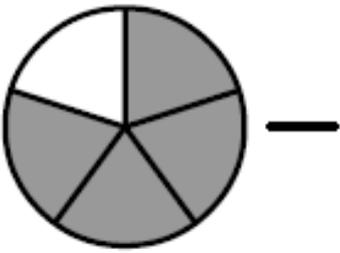
$$94 - 3 \text{ ones} = \square$$

$$94 - 5 \text{ } = 44$$

$$94 - \square \text{ ones} = 90$$

$$94 - \square \text{ ones} = 80$$





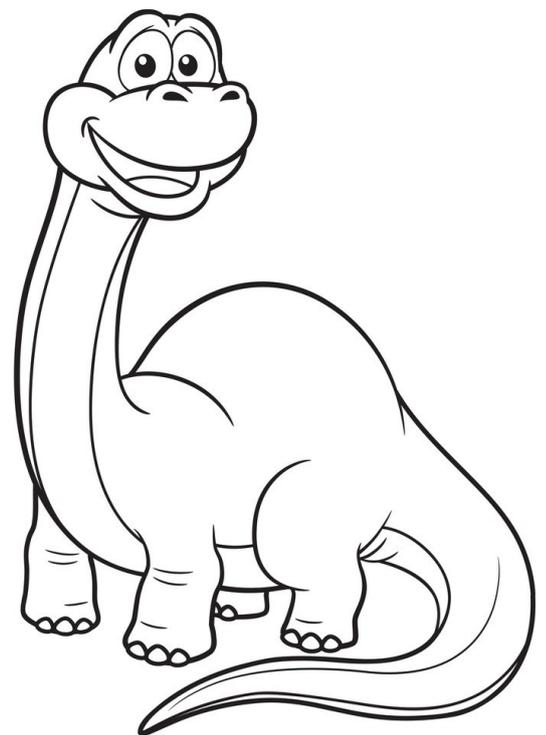
Day 14: What fraction of the shape is shaded?

Table	Times tables	Division Facts
2		
3		
4		
5		
8		
10		

Day 15: Hit the Button Challenge

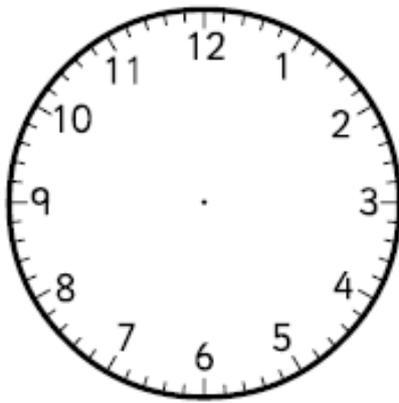
How many can you get in 1 minute?

Go to the top marks website and have a go at the times table timed trials followed by the division ones...this will help you work out which ones need some further practice!

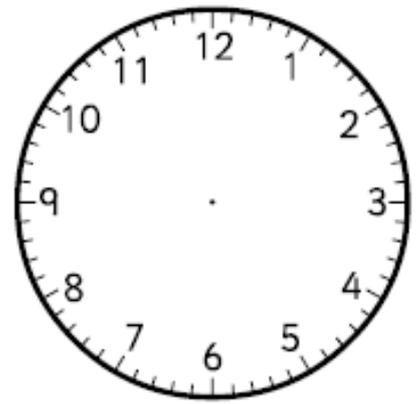




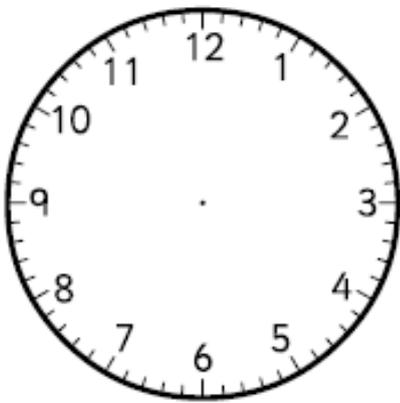
7:45



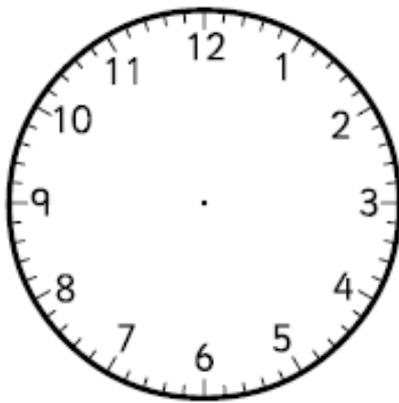
8:15



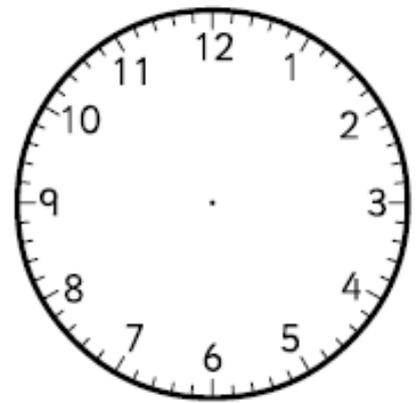
7:40



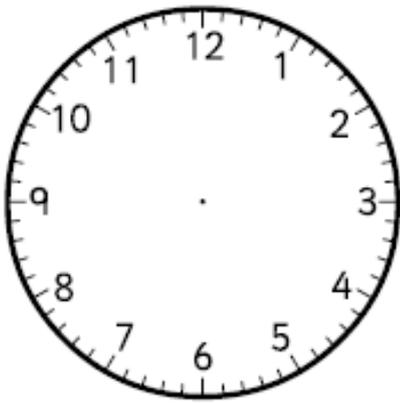
2:45



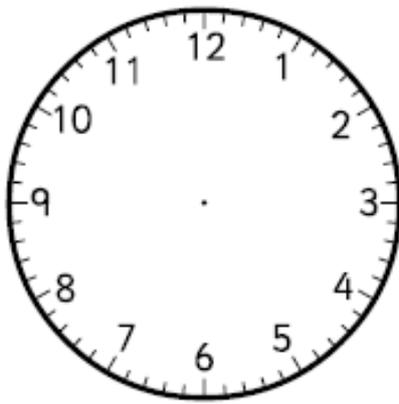
7:15



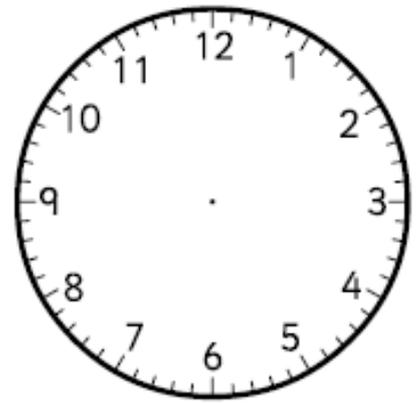
9:40



8:45

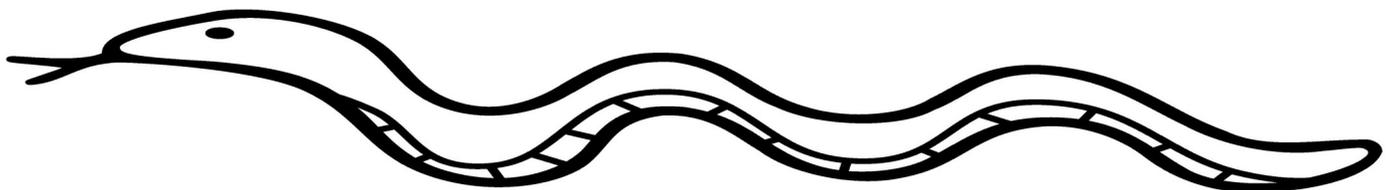


4:10



11:15

Day 16: What's the time? Draw the hands on the clock!

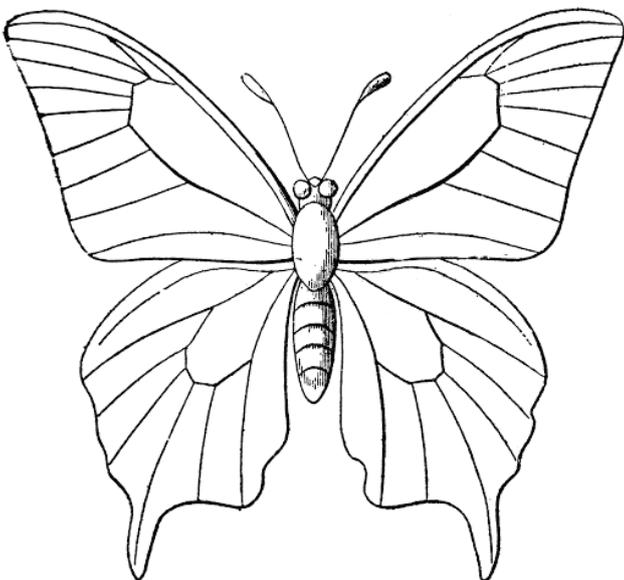


x	7	4	3
5			
2			
1			

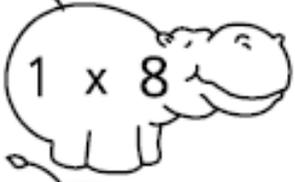
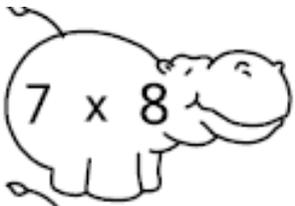
x	6	10	2
3			
8			
1			

x	10	8	7
10			
5			
6			

x			
	10	14	12
	0	0	0
	40	56	48



Day 17: Multiplication
grids



Day 18: Match the parent to its baby!

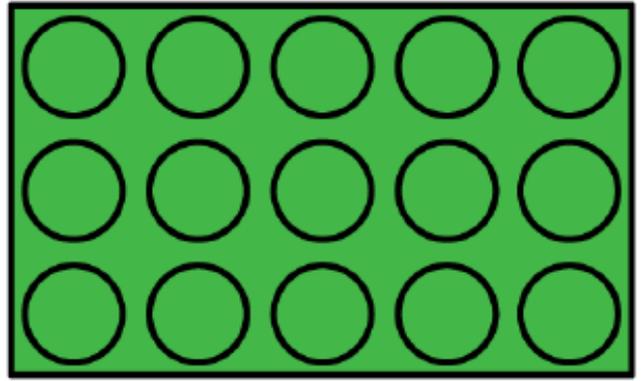


Complete the number sentences to match the array.

$$5 \times \square = \square$$

$$5 + \square + \square = \square$$

$$\square \div 5 = \square$$



$$\triangle \times \triangle = 25$$

$$\heartsuit + \heartsuit = 16$$

$$\triangle + \heartsuit = \square$$

$$\triangle \times \heartsuit = \square$$

Day 19: 3 questions to think through

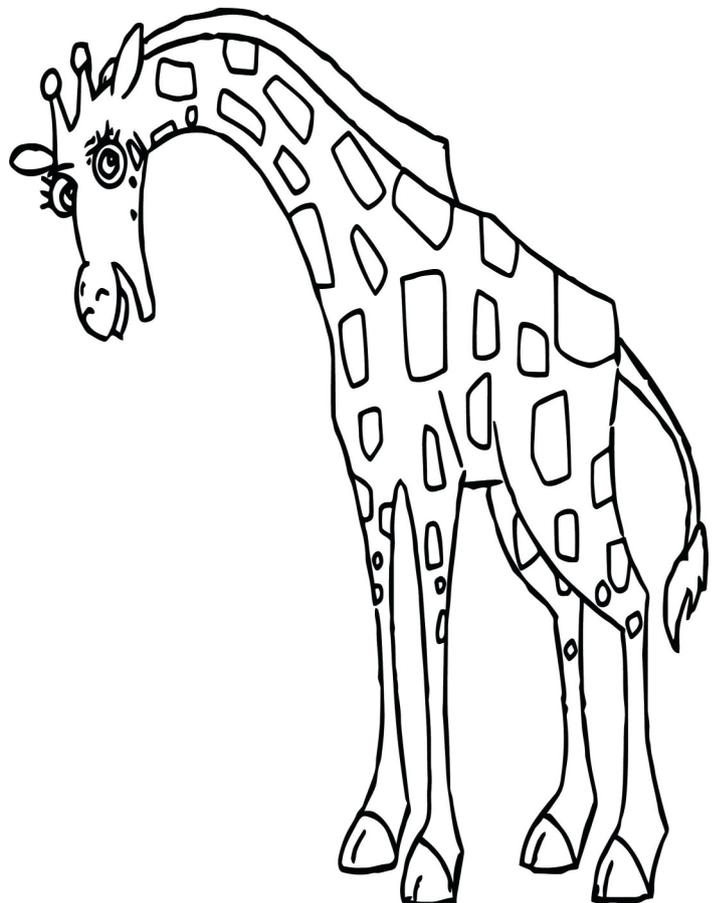
Use the number cards to complete the addition.

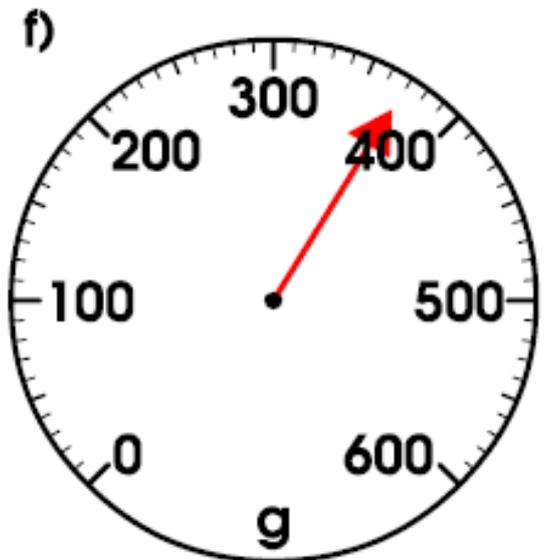
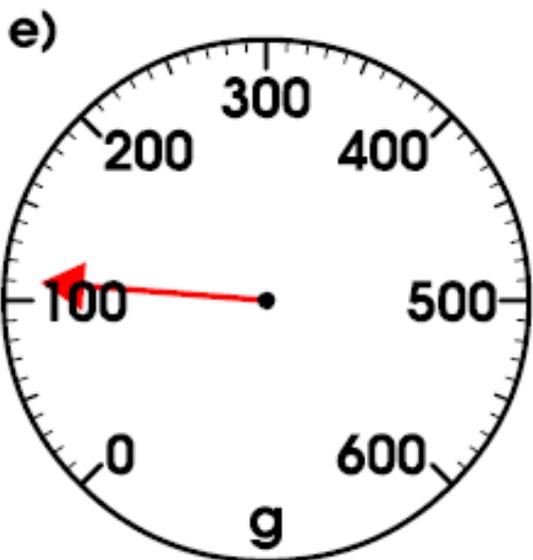
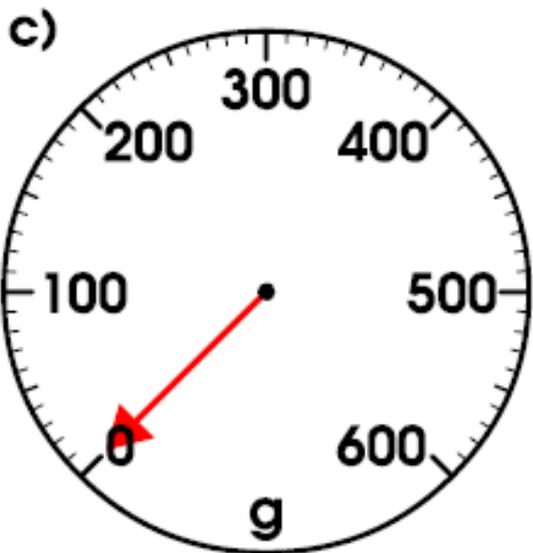
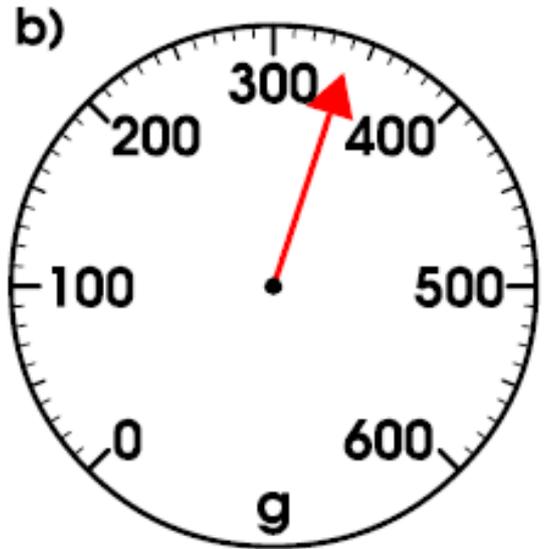
1 2 6 8

$$\square\square + \square\square = 80$$

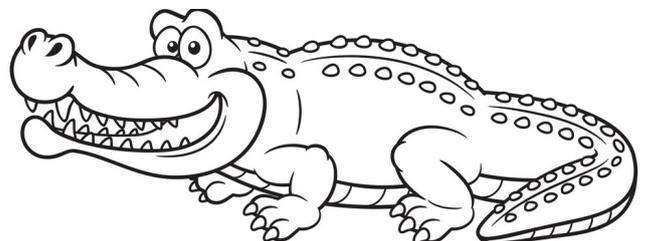
Now try and complete the multiplication.

$$\square \times \square = \square\square$$





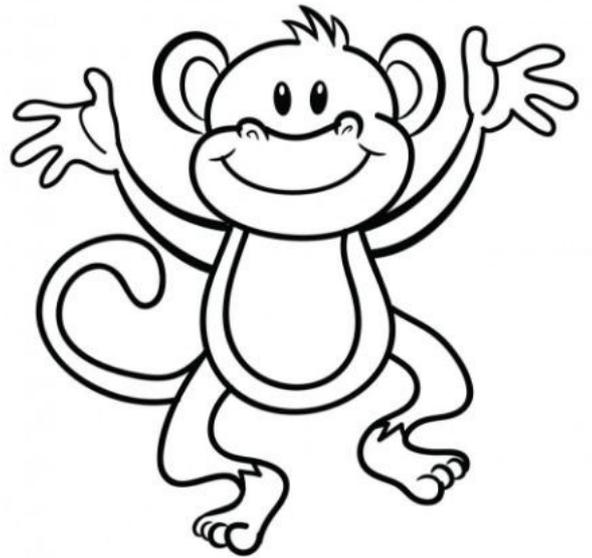
Day 20: How heavy? Write the mass in grams in the middle of each dial



There are some cookies in a jar.

- Lee eats 5 of the cookies.
- Lucy eats 3 of the cookies.
- There are 9 cookies left in the jar.

How many cookies were in the jar at the start?



Amy has 32 pears.

She puts the pears into bags of 5



She needs 8 bags of pears.

How many more pears does she need?

Mo makes some squares and triangles using lollipop sticks.



He makes 2 squares and 5 triangles.

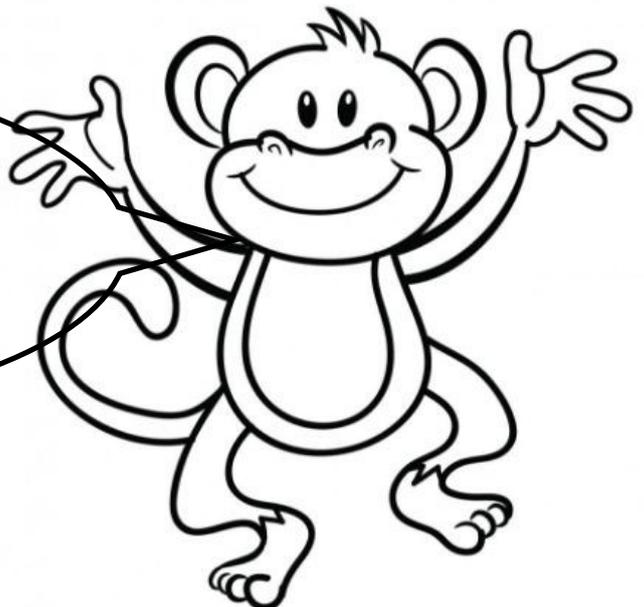
How many sticks does he use?

Day 21: 3 questions to think through

kg	kg and g	g
		1000 g
1.75 kg		
	0 kg 400 g	
		2750 g
0.9 kg		
2.5 kg		
0.33 kg		
		2000 g

Day 22:
 Converting
 kilograms
 (kg) and
 grams (g)

Remember that 1 kilogram
 (kg) is the same as
 1000 grams (g)!



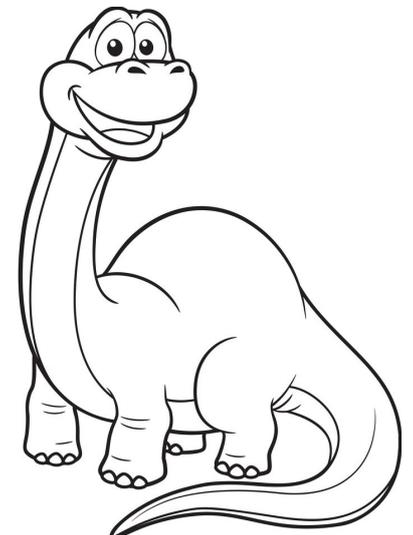
x	2	1	4
1			
8			
7			

x	2	8	10
8			
4			
3			

x	7	3	10
2			
1			
10			

x			
	72	40	16
	45	25	10
	18	10	4

Day 23: Multiplication Grids



Uma writes down a number.

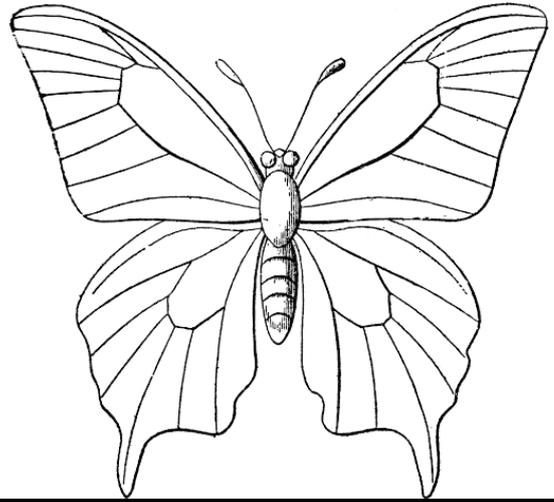
58

First she subtracts 2 from the number.

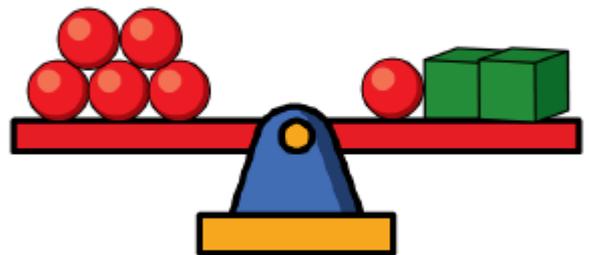
She then subtracts 2 tens from the number.

What is the sum of the digits in the new number?

Day 24: 3 questions to think through

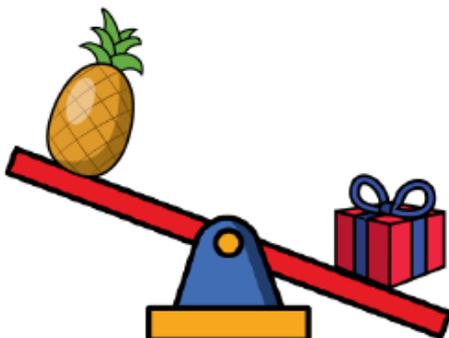
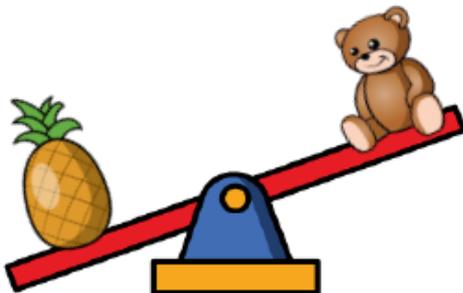


The mass of a  is 5 kg



What is the mass of a  ?

Which item is the heaviest?



The tree is 18 metres shorter than the lighthouse.



What is the total height of the tree and lighthouse?

Day 25: 3 questions to think through

$$\text{blue circle} + \text{blue circle} + \text{blue circle} = 15$$

$$\text{yellow triangle} + \text{yellow triangle} = 18$$

Work out the value of

$$\text{yellow triangle} \times \text{blue circle}$$

Work out the value of A.



Work out the value of B.

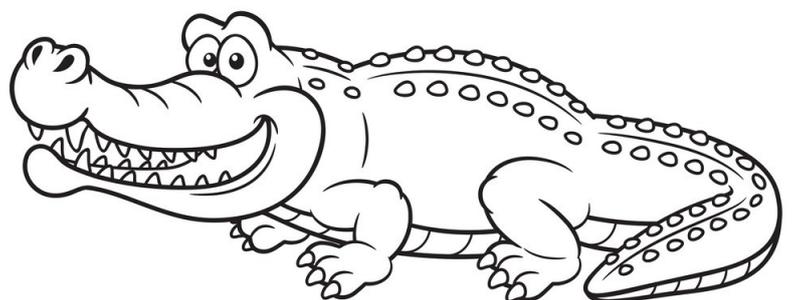
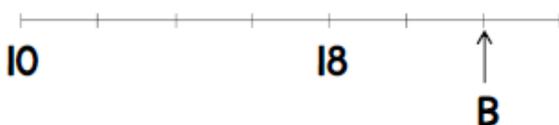


Table	Times tables	Division Facts
2		
3		
4		
5		
8		
10		

Day 26: Hit the Button Challenge

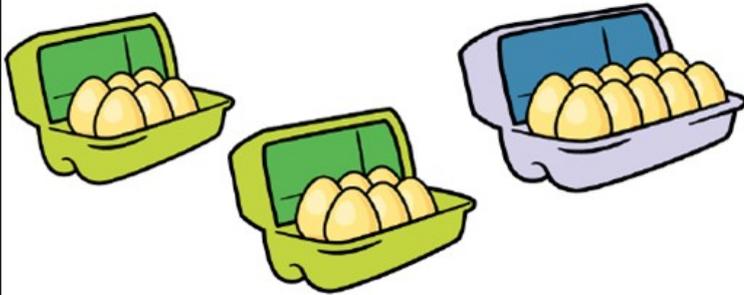
How many can you get in 1 minute? Can you beat your scores from day 15?

Go to the top marks website and have a go at the times table timed trials followed by the division ones...this will help you work out which ones need some further practice!



Eggs are sold in boxes of 6 and boxes of 10

Mr Taylor buys these boxes.



He shares the eggs into 2 bowls.

How many eggs are in each bowl?

Day 27: 3
questions to
think through

John has these coins.



He gives his friend a quarter of the money.

How much money does he have left?

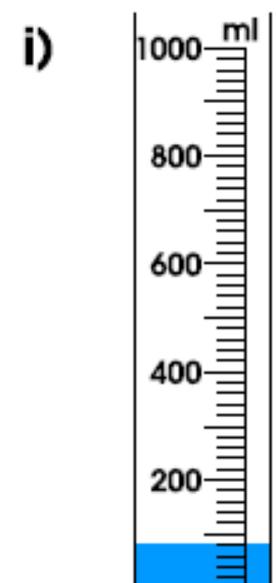
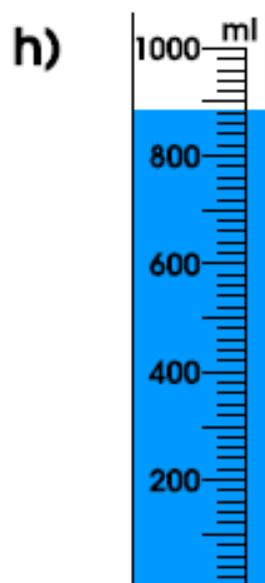
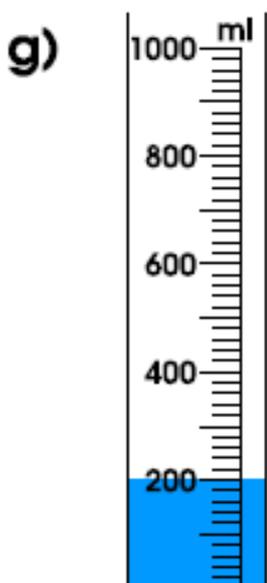
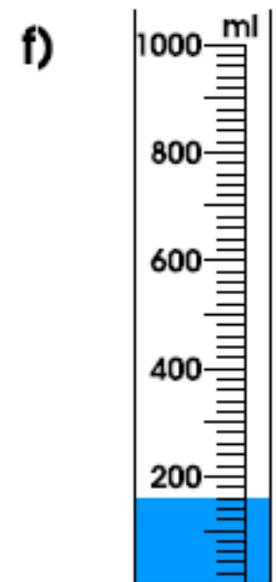
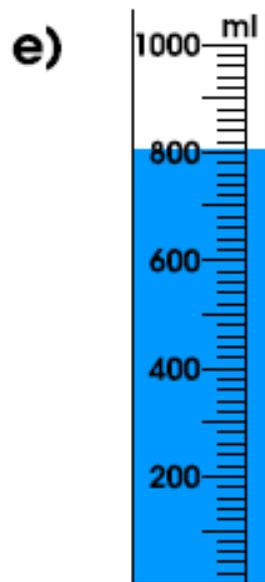
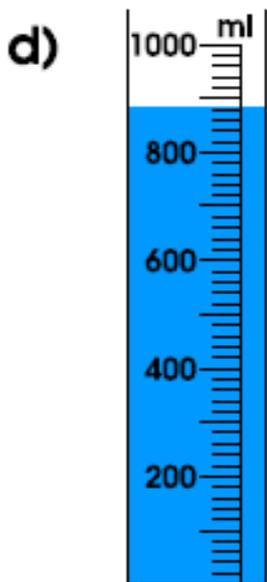
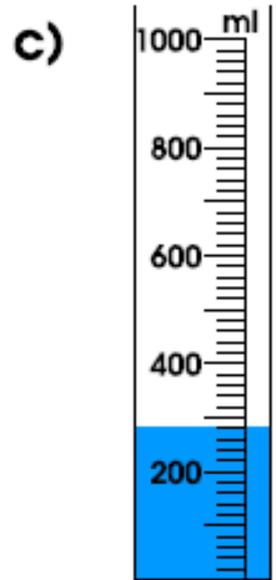
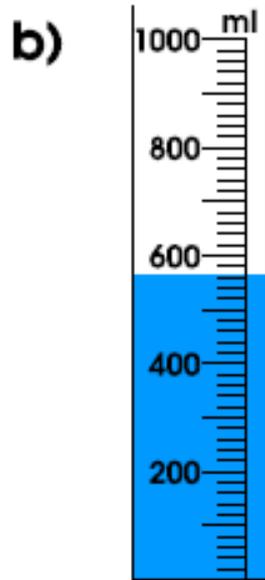
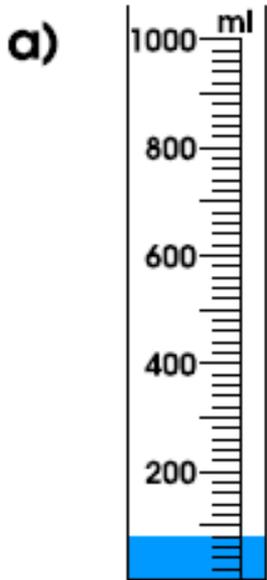
Lily has two boxes of
chocolates.



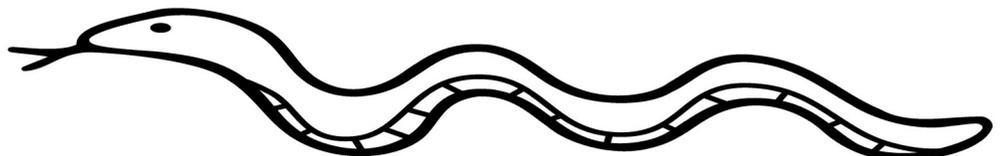
She eats 3 chocolates each day
for 5 days.

How many chocolates are in the
box after 5 days?

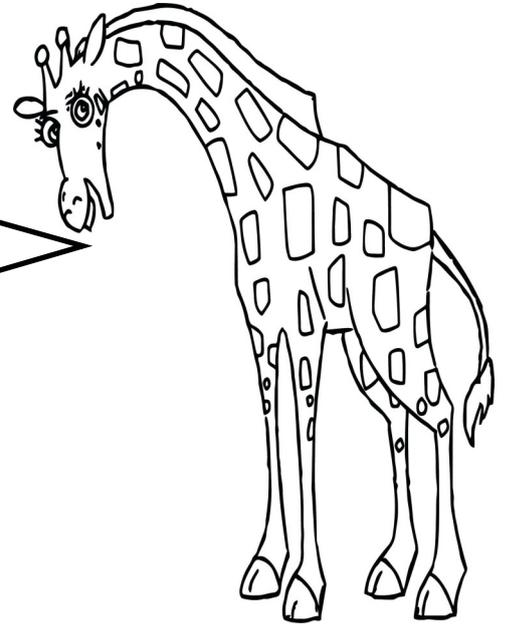




Day 28: How much water? Write the capacity of water in ml next to each container



Remember that 1 litre (l)
is the same as 1000
millilitres (ml)!



l	l and ml	ml
		500 ml
0.75 l		
	2 l 600 ml	
		2500 ml
1 l		
	3 l 200 ml	
		700 ml
		2750 ml

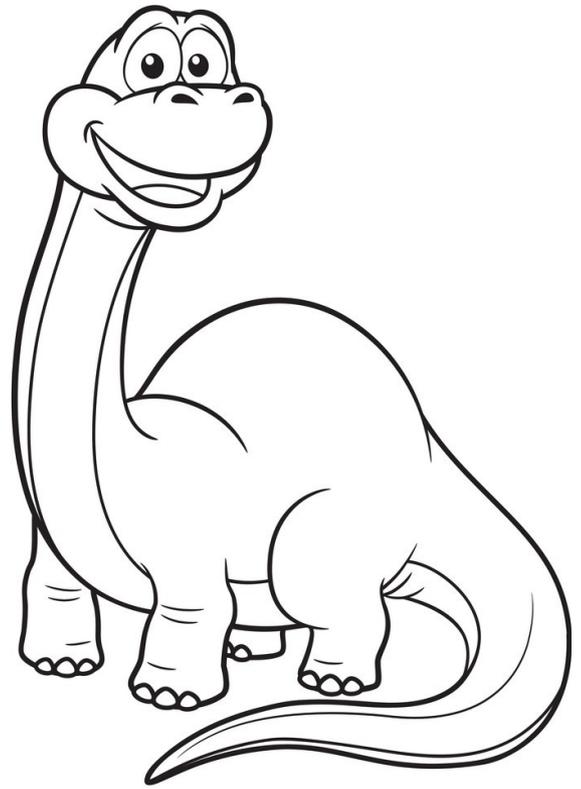
Day 29: Converting between ml and l

$5 \text{ ones} + 3 \text{ ones} =$

$5 \text{ tens} + 3 \text{ tens} =$

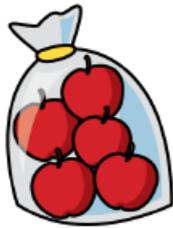
$5 \text{ tens} + 3 \text{ ones} =$

$5 \text{ ones} + 3 \text{ tens} =$



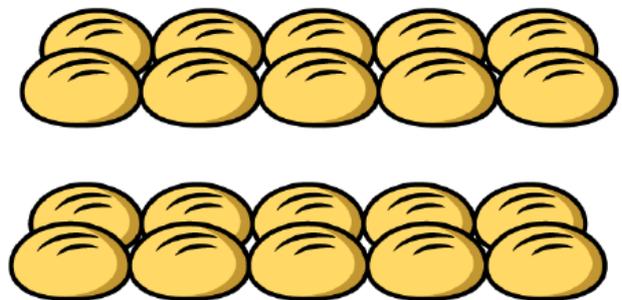
Max has some apples.

Here is a quarter of his apples.



How many apples did he have in total?

Sam has these bread rolls to sell.



He sells 14 of the bread rolls.

How many does he have left?

Day 30: 3 questions to think through

Wahoo!!



Congratulations on completing your 30 days maths challenge part 2!

Email Miss Brearey to receive the 30 day maths challenge part 3 AND to let her know you have earned another prize when we return to school...