

# Merlin Class

## Year 1



## Learning Pack 3

We have created a task for you to complete each day and have labelled them, so you know what is being done in school. Please feel free to do more if you and your child would like to do so. We hope you enjoy the tasks we have set for you.

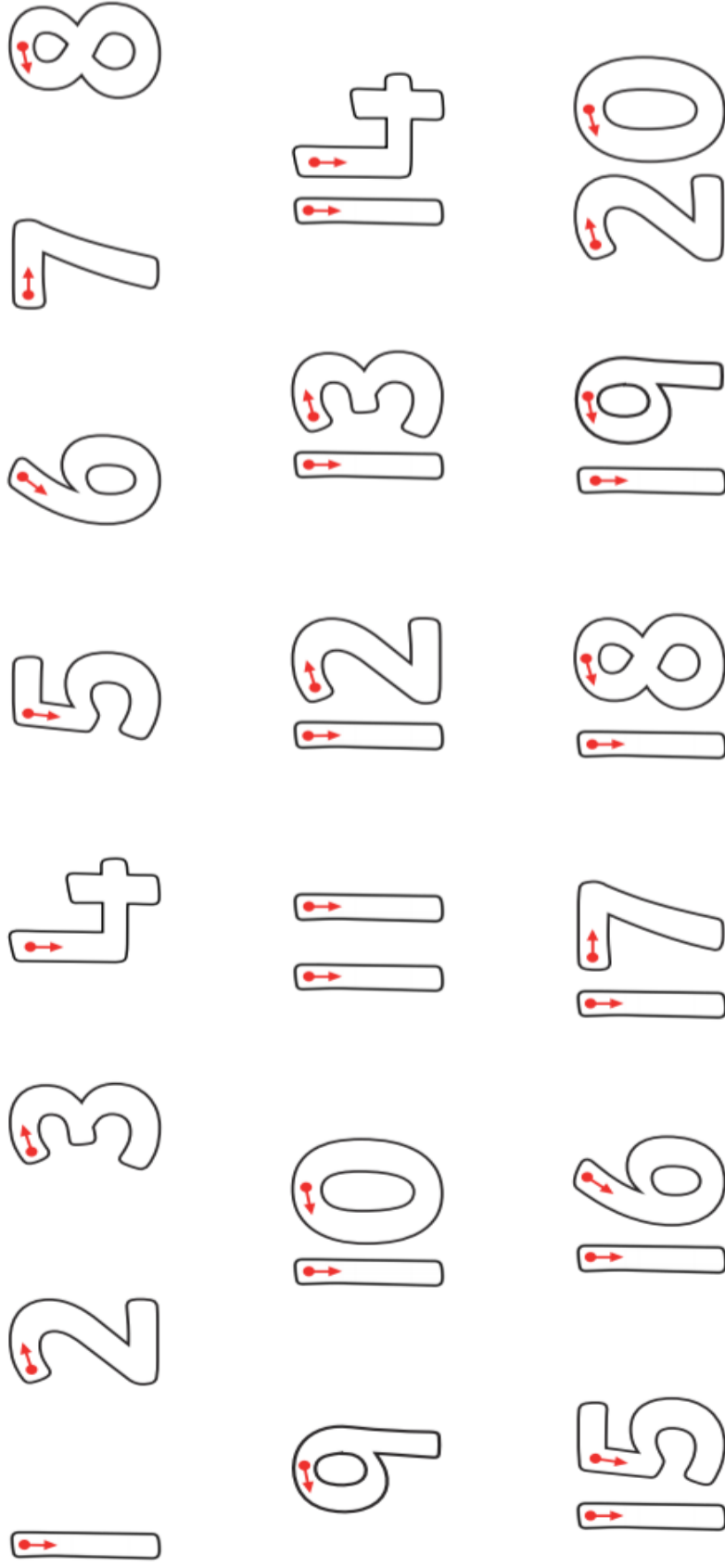
Here are some resources to help you:



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

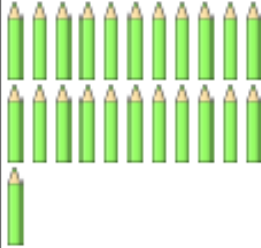
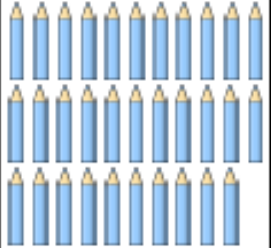
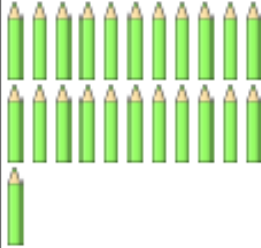
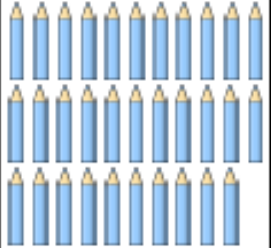
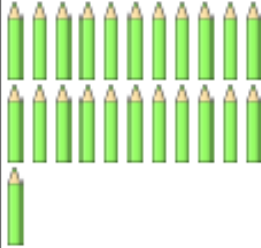
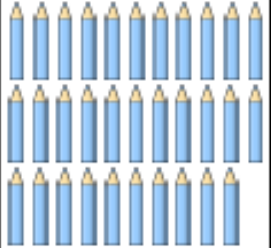
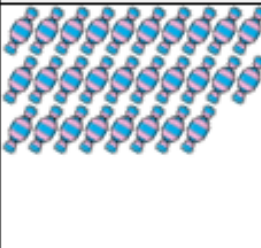
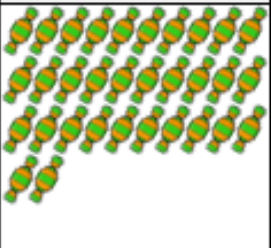
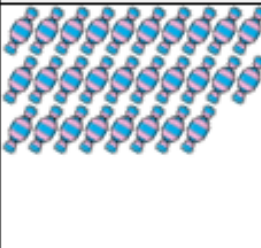
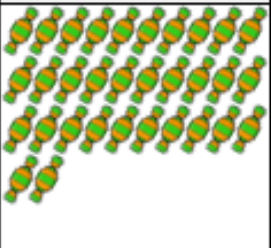
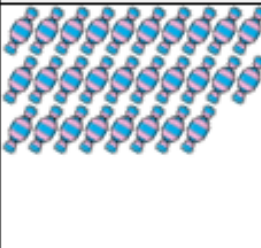
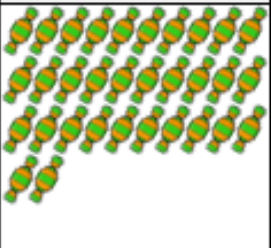
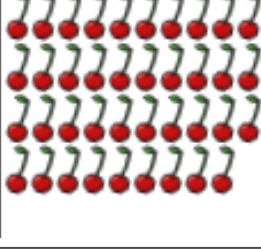
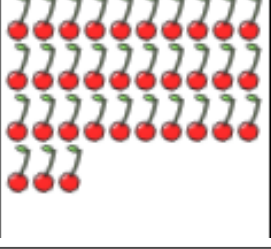
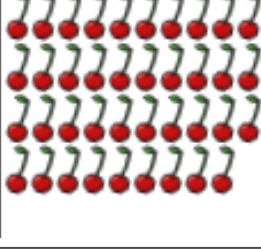
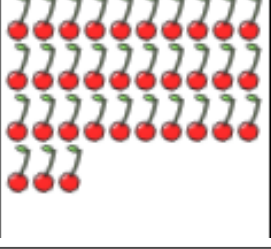
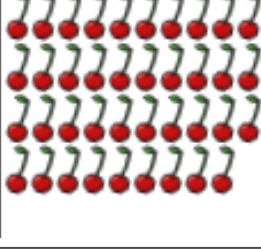
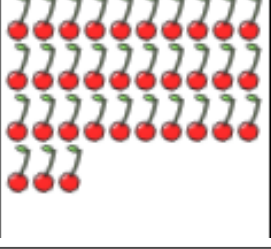
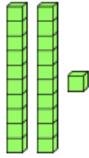
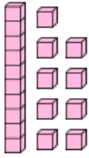
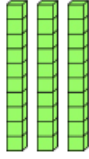
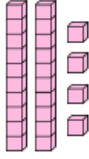
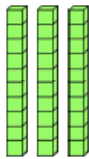
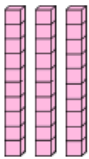
# Number Formation

Can you trace the numbers?



## Week 1: Monday – Comparing Numbers to 50

Complete the comparisons.

a	<p>Sue and Ben each have some pencils. Who has the most pencils?</p> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&lt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&gt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div> <p>_____ has more pencils.</p>	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th style="background-color: #e0e0e0;">Sue</th> <th style="background-color: #e0e0e0;">Ben</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Sue	Ben		
Sue	Ben					
						
b	<p>Mo and Asha each have some sweets. Who has the most sweets?</p> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&lt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&gt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div> <p>_____ has more sweets.</p>	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th style="background-color: #e0e0e0;">Mo</th> <th style="background-color: #e0e0e0;">Asha</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Mo	Asha		
Mo	Asha					
						
c	<p>Kat and Dom each have some cherries. Who has the most cherries?</p> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&gt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&lt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div> <p>_____ has more cherries.</p>	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th style="background-color: #e0e0e0;">Kat</th> <th style="background-color: #e0e0e0;">Dom</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Kat	Dom		
Kat	Dom					
						
d	<div style="display: flex; align-items: center; margin-bottom: 10px;">   <div style="margin-left: 20px;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&gt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&lt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div>					
e	<div style="display: flex; align-items: center; margin-bottom: 10px;">   <div style="margin-left: 20px;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&gt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&lt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div>					
f	<div style="display: flex; align-items: center; margin-bottom: 10px;">   <div style="margin-left: 20px;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&gt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="font-size: 2em; margin-right: 10px;">&lt;</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div>					

## Tuesday- Less than, More than

- 1 Compare the numbers. Use the number tracks to help you.

a

22	23	24	25	26	27	28	29	30	31
----	----	----	----	----	----	----	----	----	----

is more than        is less than

b

35	36	37	38	39	40	41	42	43	44
----	----	----	----	----	----	----	----	----	----

is less than        is more than

c

40	41	42	43	44	45	46	47	48	49
----	----	----	----	----	----	----	----	----	----

is less than        is more than

- 2 Use the number tracks to help you complete and create your own comparisons.

a

16	17	18	19	20	21	22	23	24	25
----	----	----	----	----	----	----	----	----	----

19 is \_\_\_\_\_ than 23.      23 is \_\_\_\_\_ than 19.

b

25	26	27	28	29	30	31	32	33	34
----	----	----	----	----	----	----	----	----	----

31 is \_\_\_\_\_ than 25.      25 is \_\_\_\_\_ than 31.

c

31	32	33	34	35	36	37	38	39	40
----	----	----	----	----	----	----	----	----	----

\_\_\_\_\_.      \_\_\_\_\_.




d




39	40	41	42	43	44	45	46	47	48
----	----	----	----	----	----	----	----	----	----

\_\_\_\_\_.      \_\_\_\_\_.

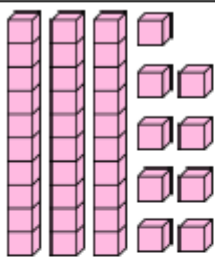
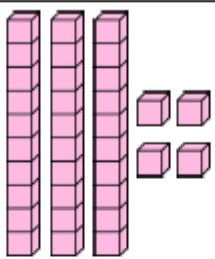
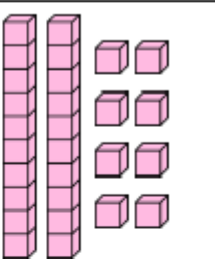
## Wednesday – Comparing numbers to 50

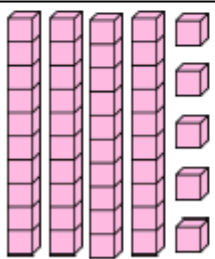
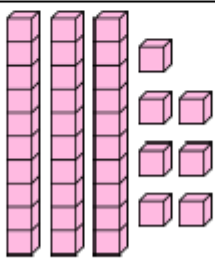
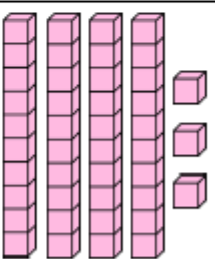
1 Write the total of each group. Then order the groups from smallest to largest.

a		<input type="text"/>
b		<input type="text"/>
c		<input type="text"/>
Smallest <input type="text"/> <input type="text"/> <input type="text"/> Largest		

a		<input type="text"/>
b		<input type="text"/>
c		<input type="text"/>
Smallest <input type="text"/> <input type="text"/> <input type="text"/> Largest		

2 Order the groups using the comparison signs.

a		<input type="text"/>
b		<input type="text"/>
c		<input type="text"/>
<input type="text"/> < <input type="text"/> < <input type="text"/>		

a		<input type="text"/>
b		<input type="text"/>
c		<input type="text"/>
<input type="text"/> < <input type="text"/> < <input type="text"/>		

# Thursday – comparing numbers to 50

1 Order the shaded numbers using the comparison signs.

a

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

>  >  >

b

21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

>  >  >

c

18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37
38	39	40	41	42	43	44	45	46	47

>  >  >

d

11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

<  <  <

e

7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26
27	28	29	30	31	32	33	34	35	36

<  <  <

## Friday- Count in 2s

1 Count in 2s to find the total.

a How many shoes are there?



There are \_\_\_\_\_ shoes in total.

b How many flip-flops are there?



There are \_\_\_\_\_ flip-flops in total.

c How many cherries are there?



There are \_\_\_\_\_ cherries in total.

2 Complete the number tracks.

a	6			12			18			24
---	---	--	--	----	--	--	----	--	--	----

b			5				13	15		19
---	--	--	---	--	--	--	----	----	--	----

c	18				26		30		34	
---	----	--	--	--	----	--	----	--	----	--

d		28	30				38	40		
---	--	----	----	--	--	--	----	----	--	--

e	25				33	35				43
---	----	--	--	--	----	----	--	--	--	----

f		34			40	42	44			
---	--	----	--	--	----	----	----	--	--	--



Challenge:

The 8<sup>th</sup> number on the number track below would be 38.

24	26	28	30	32
----	----	----	----	----

True or false? Explain how you know.

If there are 2 sweets in each bag and there are 18 sweets in total.

How many bags of sweets are there?

You may draw pictures to help you.



I am counting in 2s from the number 3.  
I will say the number 12.

Is Asha correct?  
Explain how you know.



I have 5 pairs of shoes.

Dom

I have 12 of shoes in total.



Matt

Who has the most shoes?  
Explain how you know.

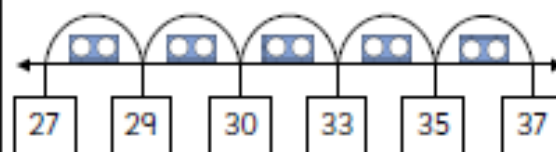
16	13	12	14
----	----	----	----

Mo is counting in 2s from 8.

Which number is the odd one out?

Explain how you know.

Spot and explain the mistake.



Continue the number track.

## Week 2: Monday – Count in 5s

1 Count in 5s to find the total.

a How many fingers are there?



There are \_\_\_\_\_ fingers in total.

b How many sweets are there?



There are \_\_\_\_\_ sweets in total.

c How many bananas are there?



There are \_\_\_\_\_ bananas in total.

2 Complete the number tracks.

a

15		25		35	
----	--	----	--	----	--

b

			30	25	20
--	--	--	----	----	----

c

0	5				25
---	---	--	--	--	----

d

		35	40		
--	--	----	----	--	--




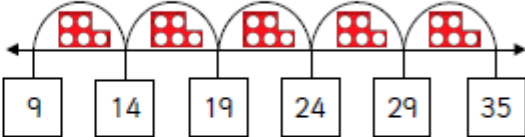
e

30			15		
----	--	--	----	--	--

f

50	45				
----	----	--	--	--	--

## Challenge

<p>I count up in 5s from the number 5.</p> <p>I will say both odd and even numbers.</p> <p>True or false?</p> <p>Explain how you know.</p>	<div><p>I count in 5s from 2. The number I am thinking of is between 15 and 30.</p></div> <p>What numbers could Kat be thinking of?</p> <p>How many are odd?</p> <p>How many are even?</p>					
<p>The 10<sup>th</sup> number on the number track will be greater than 50.</p> <table><tr><td>15</td><td>20</td><td>25</td><td>30</td><td>35</td></tr></table> <p>True or false? Explain how you know.</p>	15	20	25	30	35	<div><div><p>Gina</p><p>I counted my marbles and I have 5 more than 20.</p></div><div><p>Rob</p><p>I counted my marbles and I have 30.</p></div></div> <p>Who has the most marbles?</p> <p>Explain how you know.</p>
15	20	25	30	35		
<table><tr><td>17</td><td>25</td><td>27</td><td>22</td></tr></table> <p>I count in 5s from 7.</p> <p>Which number will not be said?</p> <p>Explain how you know.</p>	17	25	27	22	<p>Spot and explain the mistake.</p> <div></div> <p>Continue the number track.</p>	
17	25	27	22			

## Tuesday – Count in 2s and 5s

Count in: 2s and colour the squares **yellow**, 5s and colour the squares **red**, squares that are both 2s and 5s colour **blue**. Do you notice a pattern?

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

## Wednesday - Practical work

Children will cut out the cards and order them by comparing their size.  
Once ordered they will use the correct terminology to compare the objects.

This can be done practically or recorded in books.

### DEVELOPING



Children will compare two objects using the terminology cards provided (smallest / biggest / shortest / longest / tallest).

### SECURE



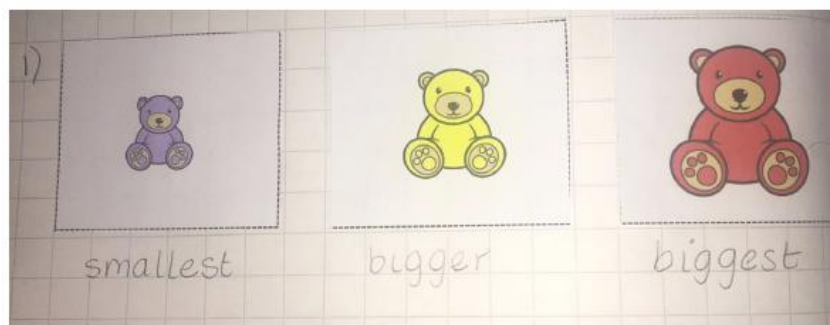
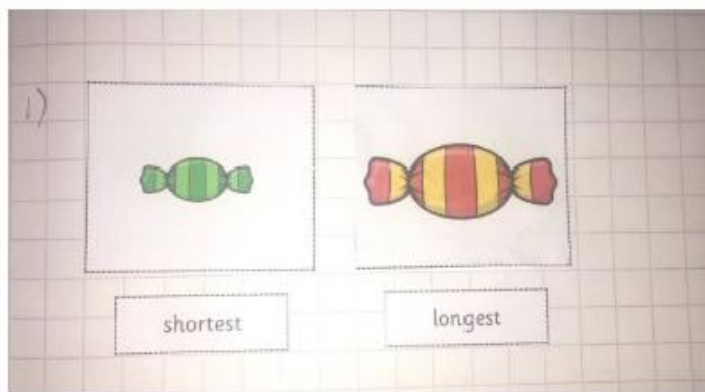
Children will compare three objects choosing terminology from the word bank provided. They will understand multiple words could be chosen to compare the set.

### MASTERY



Children will compare three objects writing the correct comparison terminology without guidance.

Example:



## Word Bank:

short shorter shortest small smaller smallest big  
bigger biggest long longer longest tall taller tallest

I will add in some blank pages so that when the packs are printed these ones won't be double sided.

BLANK PAGE

**Pages to cut out:**

shortest	longest
shortest	longest
shortest	longest
shortest	longest
shortest	longest
shortest	longest
shortest	longest
shortest	longest

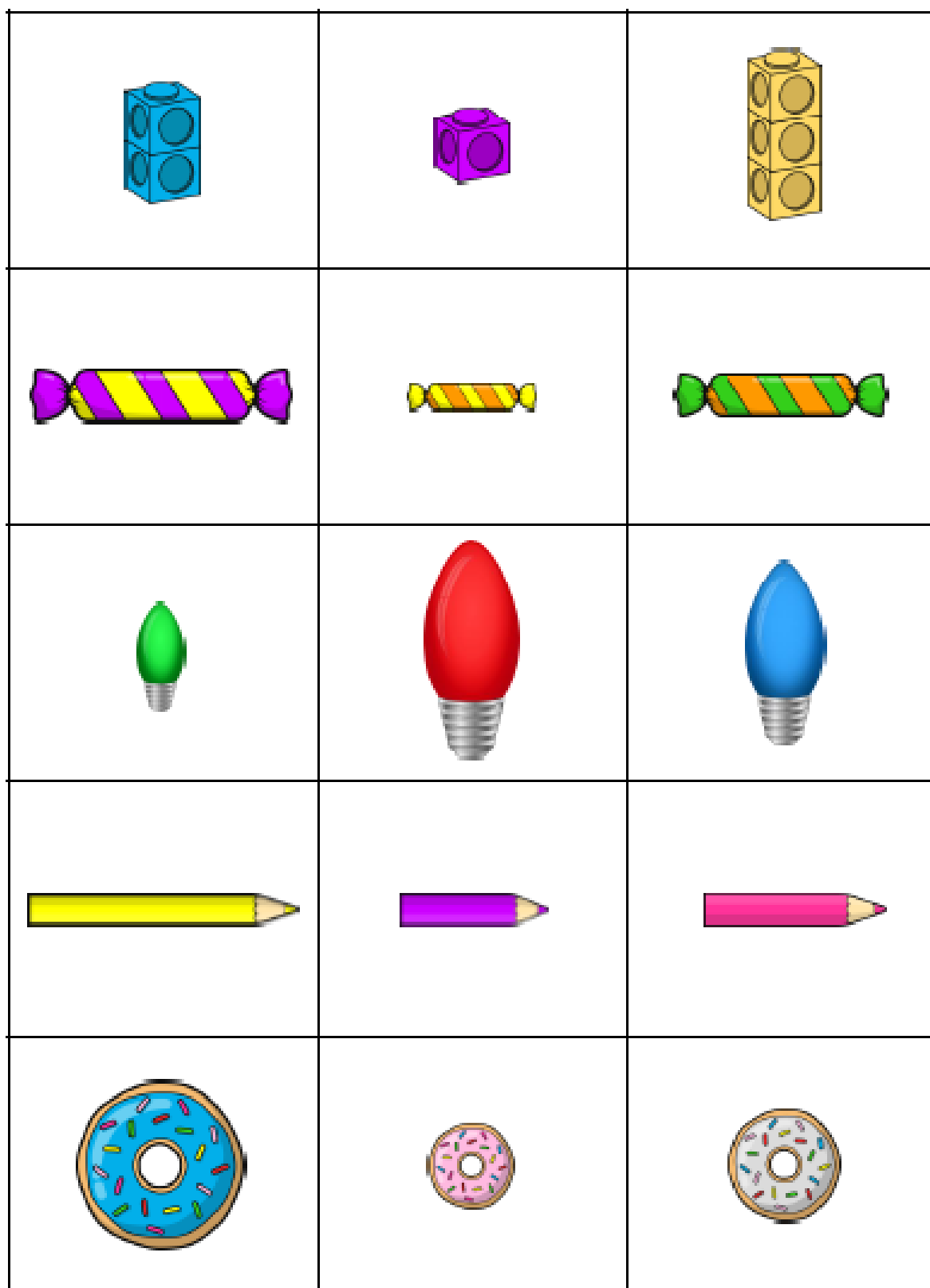
shortest	tallest
shortest	tallest
shortest	tallest
shortest	tallest
shortest	tallest
shortest	tallest
shortest	tallest
shortest	tallest

smallest	biggest
smallest	biggest
smallest	biggest
smallest	biggest
smallest	biggest
smallest	biggest
smallest	biggest
smallest	biggest

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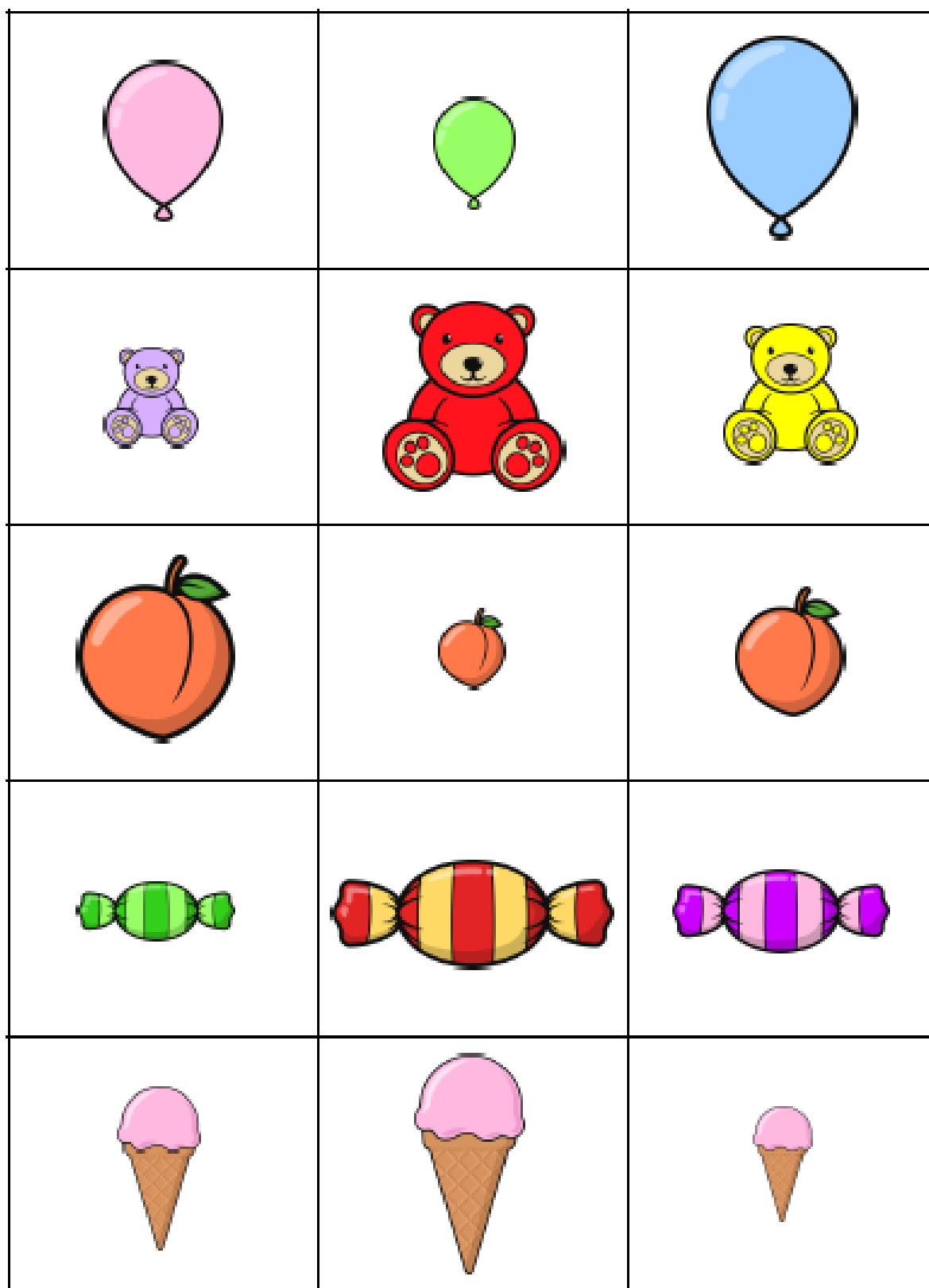


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## Thursday – comparing lengths and heights

1 Complete the sentences using **longer**, **taller** and **shorter** to compare the objects.

a



The blue pencil is \_\_\_\_\_ than the green pencil.

The green pencil is \_\_\_\_\_ than the blue pencil.

b



The pink tower is \_\_\_\_\_ than the yellow tower.

The yellow tower is \_\_\_\_\_ than the pink tower.

c



The blue number frame is \_\_\_\_\_ than the green number frame.

The green number frame is \_\_\_\_\_ than the blue number frame.

d



The rabbit is \_\_\_\_\_ than the cow.

The cow is \_\_\_\_\_ than the rabbit.

e



The green sweet is \_\_\_\_\_ than the red and orange sweet.

The red and orange sweet is \_\_\_\_\_ than the green sweet.

## Thursday - Continued

- 1 Compare the pencils using the words **longer** and **shorter**.



The red pencil is \_\_\_\_\_ than the pink pencil.

The red pencil is \_\_\_\_\_ than the yellow pencil.

The pink pencil is \_\_\_\_\_ than the red pencil.

The pink pencil is \_\_\_\_\_ than the yellow pencil.

The yellow pencil is \_\_\_\_\_ than the red pencil.

The yellow pencil is \_\_\_\_\_ than the pink pencil.

The \_\_\_\_\_ pencil is the longest.

The \_\_\_\_\_ pencil is the shortest.

- 2 Compare the animals using the words **taller** and **shorter**.

The pig is \_\_\_\_\_ than the chicken.

The pig is \_\_\_\_\_ than the giraffe.

The chicken is \_\_\_\_\_ than the pig.

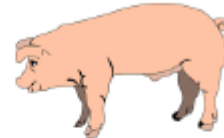
The chicken is \_\_\_\_\_ than the giraffe.

The giraffe is \_\_\_\_\_ than the pig.

The giraffe is \_\_\_\_\_ than the chicken.

The \_\_\_\_\_ is the tallest.

The \_\_\_\_\_ is the shortest.



## Friday- Measuring lengths

As some of you are not in school you may have to use different things to measure the different objects. For example, you could use pieces of pasta or cereal? I have left the objects part of the table blank as those of you in school can measure things such as tables, books and chairs, but those of you at home may want to measure things such as toys, a plate or a cup.

Choose your own objects in your class. Estimate then measure the length / height by number of cubes then by number of paperclips.

Object	Estimate: Cubes	Measure: Cubes	Estimate: Paperclips	Measure: Paperclips