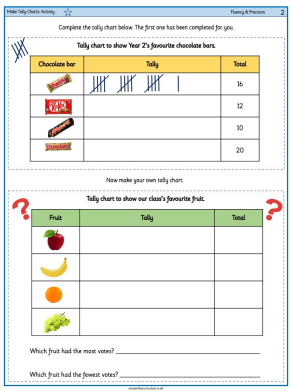
Make Tally Charts: Activity

NC Objective:	Resources needed:	Vocabulary:
Interpret and construct simple pictograms, tally charts, block diagrams and simple tables Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity Ask and answer questions about totalling and comparing categorical data	Whiteboards and pens Differentiated Sheets Teaching Slides	Vote, tally, strike-through, tally chart, count, number, total, most, common, fewest, altogether, difference

This small step activity is focused on making tally charts. Children will reinforce previous learning of tallies looking at what they represent and how to draw them. They will then be introduced to completing a tally chart followed by creating their own tally chart. Children will use the completed tally chart to answer questions about the information it shows. They are then asked to make their own tally chart, both drawing tallies and writing the total, in order to find which fruit is the class favourite

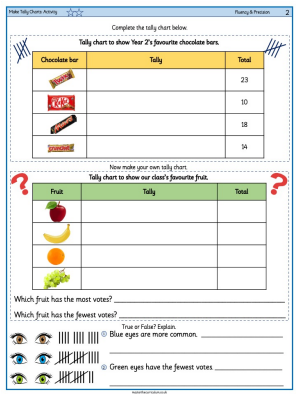
Key Questions:
What is a tally? What is a tally chart? What do you notice about the groups? How would we count these?
What would ___ look like? How would you show 6, 11, 18 as a tally?
Why do we draw tallies like this? When do we use tallies?
Which ___ has the most/fewest votes?
What is the difference between ___ and ___?
How many votes did ___ and ___ get altogether?

★ Working Towards



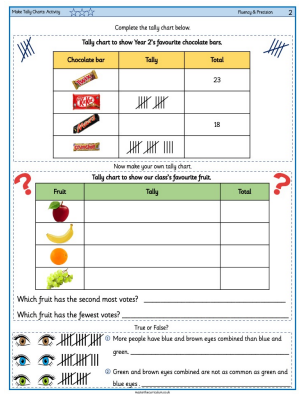
Children on this sheet
ae given an example to support their understanding of tallies.

★★ Working Within



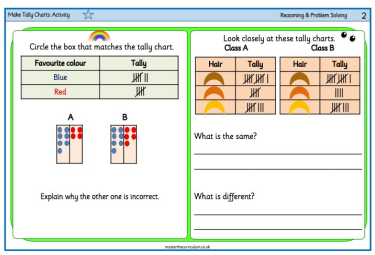
Children on this sheet complete the tallies independently and answer a reasoning problem.

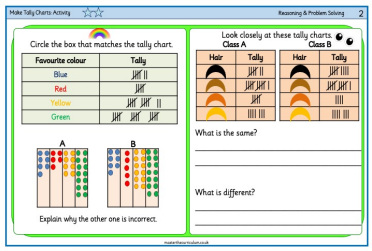
★★★ Greater Depth

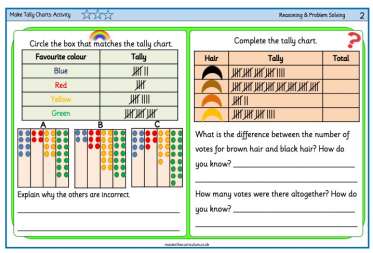


Children on this sheet
Complete the table with a mix of missing tallies and totals independently and answer a more complex reasoning problem.

Reasoning & Problem Solving







Complete the tally chart below. The first one has been completed for you.

Tally chart to show Year 2's favourite chocolate bars.

Chocolate bar	Tally	Total
		16
		12
		10
		20

Now make your own tally chart.

Tally chart to show our class's favourite fruit.

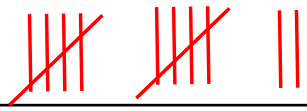
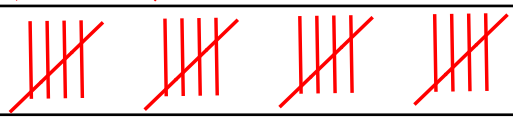
Fruit	Tally	Total

Which fruit had the most votes? _____

Which fruit had the fewest votes? _____

Complete the tally chart below. The first one has been completed for you.

Tally chart to show Year 2's favourite chocolate bars.

Chocolate bar	Tally	Total
		16
		12
		10
		20

Now make your own tally chart.

Tally chart to show our class's favourite fruit.

Fruit	Tally	Total
	Dependent on votes given. Ensure the tallies given match the totals given throughout table..	

Which fruit had the most votes? Check totals in above table.

Which fruit had the fewest votes? Check totals in above table.

Complete the tally chart below.

Tally chart to show Year 2's favourite chocolate bars.

Chocolate bar	Tally	Total
		23
		10
		18
		14

Now make your own tally chart.

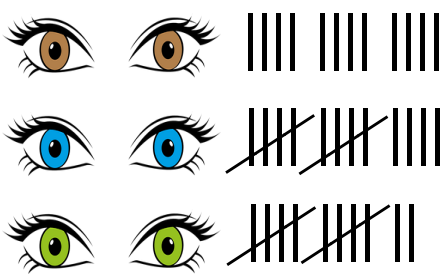
Tally chart to show our class's favourite fruit.

Fruit	Tally	Total

Which fruit has the most votes? _____

Which fruit has the fewest votes? _____

True or False? Explain.



① Blue eyes are more common. _____

_____

② Green eyes have the fewest votes. _____

_____

Complete the tally chart below.

Tally chart to show Year 2's favourite chocolate bars.

Chocolate bar	Tally	Total
	𝍸 𝍸 𝍸 𝍸 |	23
	𝍸 𝍸	10
	𝍸 𝍸 𝍸 |	18
	𝍸 𝍸 ||||	14

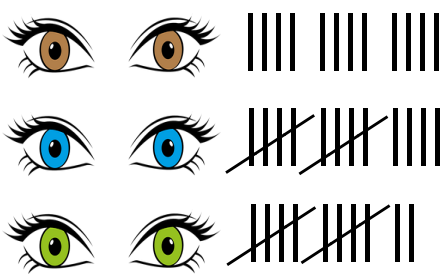
Now make your own tally chart.

Tally chart to show our class's favourite fruit.

Fruit	Tally	Total
	Dependent on votes given. Ensure the tallies given match the totals given throughout table.	

Which fruit has the most votes? Dependent on votes given.

Which fruit has the fewest votes? Dependent on votes given.



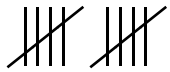
True or False? Explain.

① Blue eyes are more common. False. Blue and brown have the same number.

② Green eyes have the fewest votes. True. 12 votes is less than 14 votes.

Complete the tally chart below.

Tally chart to show Year 2's favourite chocolate bars.

Chocolate bar	Tally	Total
		23
		
		18

Now make your own tally chart.

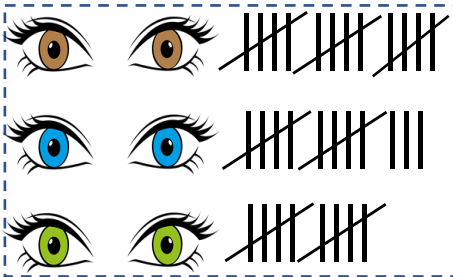
Tally chart to show our class's favourite fruit.

Fruit	Tally	Total

Which fruit has the second most votes? _____

Which fruit has the fewest votes? _____

True or False?



① More people have blue and brown eyes combined than blue and green. _____

② Green and brown eyes combined are not as common as green and blue eyes . _____

Complete the tally chart below.

Tally chart to show Year 2's favourite chocolate bars.

Chocolate bar	Tally	Total
	𝍸 𝍸 𝍸 𝍸 |	23
	𝍸 𝍸	10
	𝍸 𝍸 |	18
	𝍸 𝍸 ||||	14

Now make your own tally chart.

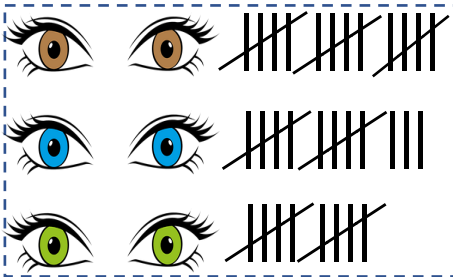
Tally chart to show our class's favourite fruit.

Fruit	Tally	Total
	Dependent on votes given. Ensure the tallies given match the totals given throughout table.	

Which fruit has the second most votes? Dependent on votes given.

Which fruit has the fewest votes? Dependent on votes given.

True or False?



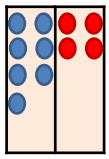
① More people have blue and brown eyes combined than blue and green True

② Green and brown eyes combined are not as common as green and blue eyes . False

Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸

A



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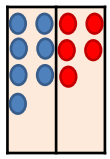


Explain why the other one is incorrect.

Look closely at these tally charts.

Class A

Hair	Tally
	𝍸 𝍸 |
	𝍸
	𝍸 |||

Class B

Hair	Tally
	𝍸 𝍸 |
	||||
	𝍸 |||

What is the same?

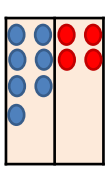
What is different?

Make Tally Charts: Activity
Reasoning & Problem Solving 2

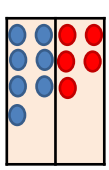
Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸

A



B



Explain why the other one is incorrect.

Look closely at these tally charts.

Class A

Hair	Tally
	𝍸 𝍸 |
	𝍸
	𝍸 |||

Class B

Hair	Tally
	𝍸 𝍸 |
	||||
	𝍸 |||

What is the same?

What is different?

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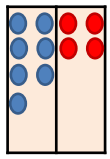
Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸

A



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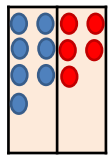


Explain why the other one is incorrect.

A shows 4 red but the tally chart shows 5 red.

Look closely at these tally charts.

Class A

Hair	Tally
	𝍸 𝍸 |
	𝍸
	𝍸 |||

Class B

Hair	Tally
	𝍸 𝍸 |
	||||
	𝍸 |||

What is the same?

In both classes brown hair has 11 votes and blonde hair has 8 votes. There is more brown hair in both classes and fewer red hair.

What is different?

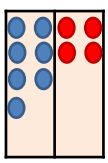
Red hair-class A has 5, class B has 4.

Make Tally Charts: Activity ☆ Answers Reasoning & Problem Solving 2

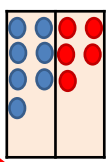
Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸

A



B



Explain why the other one is incorrect.

A shows 4 red but the tally chart shows 5 red.

Look closely at these tally charts.

Class A

Hair	Tally
	𝍸 𝍸 |
	𝍸
	𝍸 |||

Class B

Hair	Tally
	𝍸 𝍸 |
	||||
	𝍸 |||

What is the same?

In both classes brown hair has 11 votes and blonde hair has 8 votes. There is more brown hair in both classes and fewer red hair.

What is different?

Red hair-class A has 5, class B has 4.

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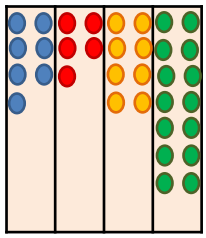
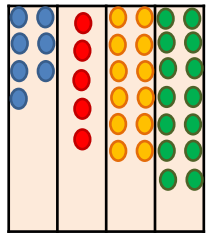
Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸
Yellow	𝍸 𝍸 ||
Green	𝍸 𝍸 𝍸

A



B



Explain why the other one is incorrect.

Look closely at these tally charts.

Class A

Hair	Tally
	𝍸 ||
	𝍸 𝍸 |
	𝍸
	|||| ||

Class B

Hair	Tally
	𝍸 ||||
	𝍸 𝍸 |
	||||
	|||| ||

What is the same?

_____

_____

What is different?

_____

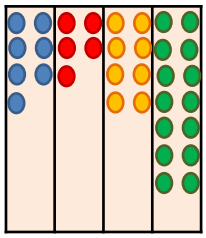
_____

Make Tally Charts: Activity ☆☆ Reasoning & Problem Solving 2

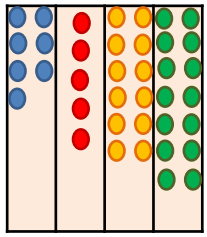
Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸
Yellow	𝍸 𝍸 ||
Green	𝍸 𝍸 𝍸

A



B



Explain why the other one is incorrect.

Look closely at these tally charts.

Class A

Hair	Tally
	𝍸 ||
	𝍸 𝍸 |
	𝍸
	|||| ||

Class B

Hair	Tally
	𝍸 ||||
	𝍸 𝍸 |
	||||
	|||| ||

What is the same?

_____

_____

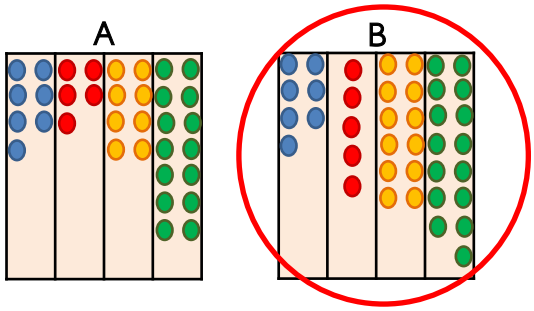
What is different?

_____

_____

Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸
Yellow	𝍸 𝍸 ||
Green	𝍸 𝍸 𝍸



A shows 14 green but the tally chart shows 15 green.

Look closely at these tally charts.

Class A

Hair	Tally
	𝍸 ||
	𝍸 𝍸 |
	𝍸
	𝍸 |||

Class B

Hair	Tally
	𝍸 ||||
	𝍸 𝍸 |
	||||
	|||| |||

What is the same?

In both classes brown hair has 11 votes and blonde hair has 8 votes. There is more brown hair in both classes and fewer red hair.

What is different?

Black hair-class A has 6, class B has 9.

Red hair-class A has 5, class B has 4.

Make Tally Charts: Activity ☆☆ Answers Reasoning & Problem Solving 2

Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸
Yellow	𝍸 𝍸 ||
Green	𝍸 𝍸 𝍸

A shows 14 green but the tally chart shows 15 green.

Look closely at these tally charts.

Class A

Hair	Tally
	𝍸 ||
	𝍸 𝍸 |
	𝍸
	|||| |||

Class B

Hair	Tally
	𝍸 ||||
	𝍸 𝍸 |
	||||
	|||| |||

What is the same?

In both classes brown hair has 11 votes and blonde hair has 8 votes. There is more brown hair in both classes and fewer red hair.

What is different?

Black hair-class A has 6, class B has 9.

Red hair-class A has 5, class B has 4.

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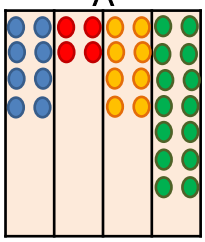
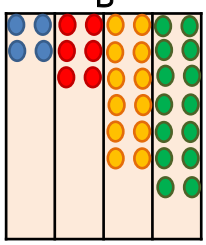
Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸
Yellow	𝍸 ||||
Green	𝍸 𝍸 𝍸

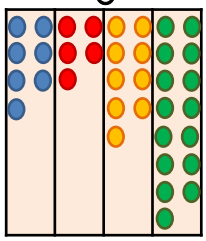
A



B



C



Explain why the others are incorrect.

_____

_____

Complete the tally chart.

Hair	Tally	Total
	𝍸 𝍸 𝍸 𝍸 ||||	
	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸	
	𝍸 ||	
	𝍸 𝍸 𝍸 ||||	

What is the difference between the number of votes for brown hair and black hair? How do you know? _____

_____

How many votes were there altogether? How do you know? _____

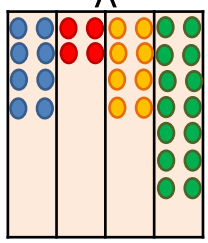
_____

Make Tally Charts: Activity
Reasoning & Problem Solving 2

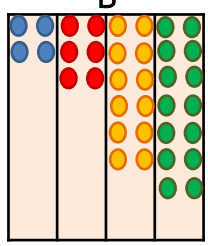
Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸
Yellow	𝍸 ||||
Green	𝍸 𝍸 𝍸

A



B



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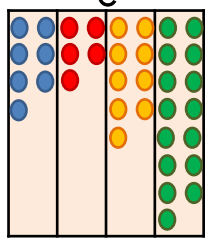

Explain why the others are incorrect.

_____

_____

Complete the tally chart.

Hair	Tally	Total
	𝍸 𝍸 𝍸 𝍸 ||||	
	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸	
	𝍸 ||	
	𝍸 𝍸 𝍸 ||||	

What is the difference between the number of votes for brown hair and black hair? How do you know? _____

_____

How many votes were there altogether? How do you know? _____

_____

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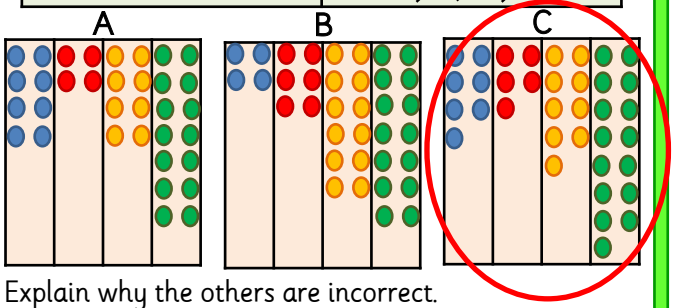
Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸
Yellow	𝍸 ||||
Green	𝍸 𝍸 𝍸



Explain why the others are incorrect.

A has 8 blues, 4 red, 8 yellow and 14 green.

B has 4 blues, 6 red, 12 yellow and 14 green.

Complete the tally chart.

Hair	Tally	Total
	𝍸 𝍸 𝍸 𝍸 ||||	24
	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸	40
	𝍸 ||	7
	𝍸 𝍸 𝍸 ||||	19

What is the difference between the number of votes for brown hair and black hair? How do you know? 16 because black hair has 40 votes and brown has 24. 40 - 24 = 16.

How many votes were there altogether? How do you know? 90 votes because 24 + 40 + 7 + 19 = 90

Make tally charts: Activity ☆☆☆ Answers Reasoning & Problem Solving 2

Circle the box that matches the tally chart.

Favourite colour	Tally
Blue	𝍸 ||
Red	𝍸
Yellow	𝍸 ||||
Green	𝍸 𝍸 𝍸

A B C

Explain why the others are incorrect.

A has 8 blues, 4 red, 8 yellow and 14 green.

B has 4 blues, 6 red, 12 yellow and 14 green.

Complete the tally chart.

Hair	Tally	Total
	𝍸 𝍸 𝍸 𝍸 ||||	24
	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸	40
	𝍸 ||	7
	𝍸 𝍸 𝍸 ||||	19

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