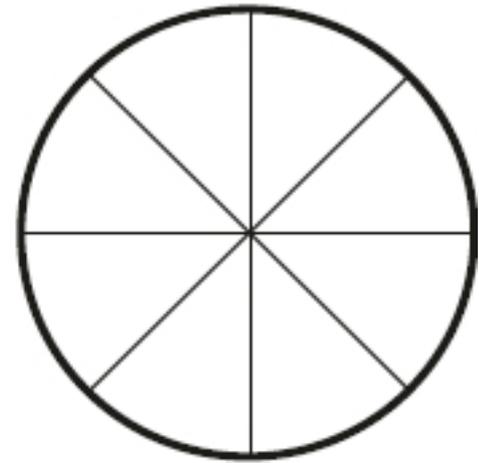
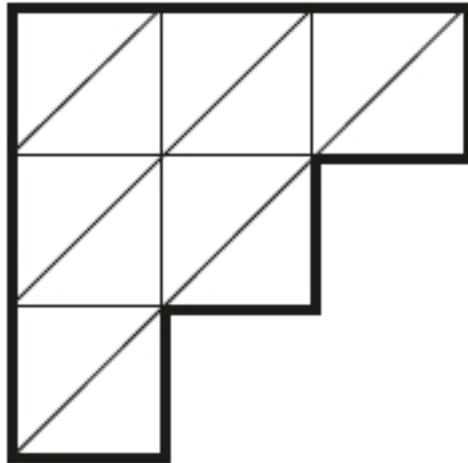
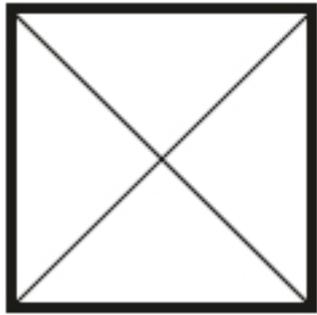


RECALL

Each diagram is divided into equal sections.

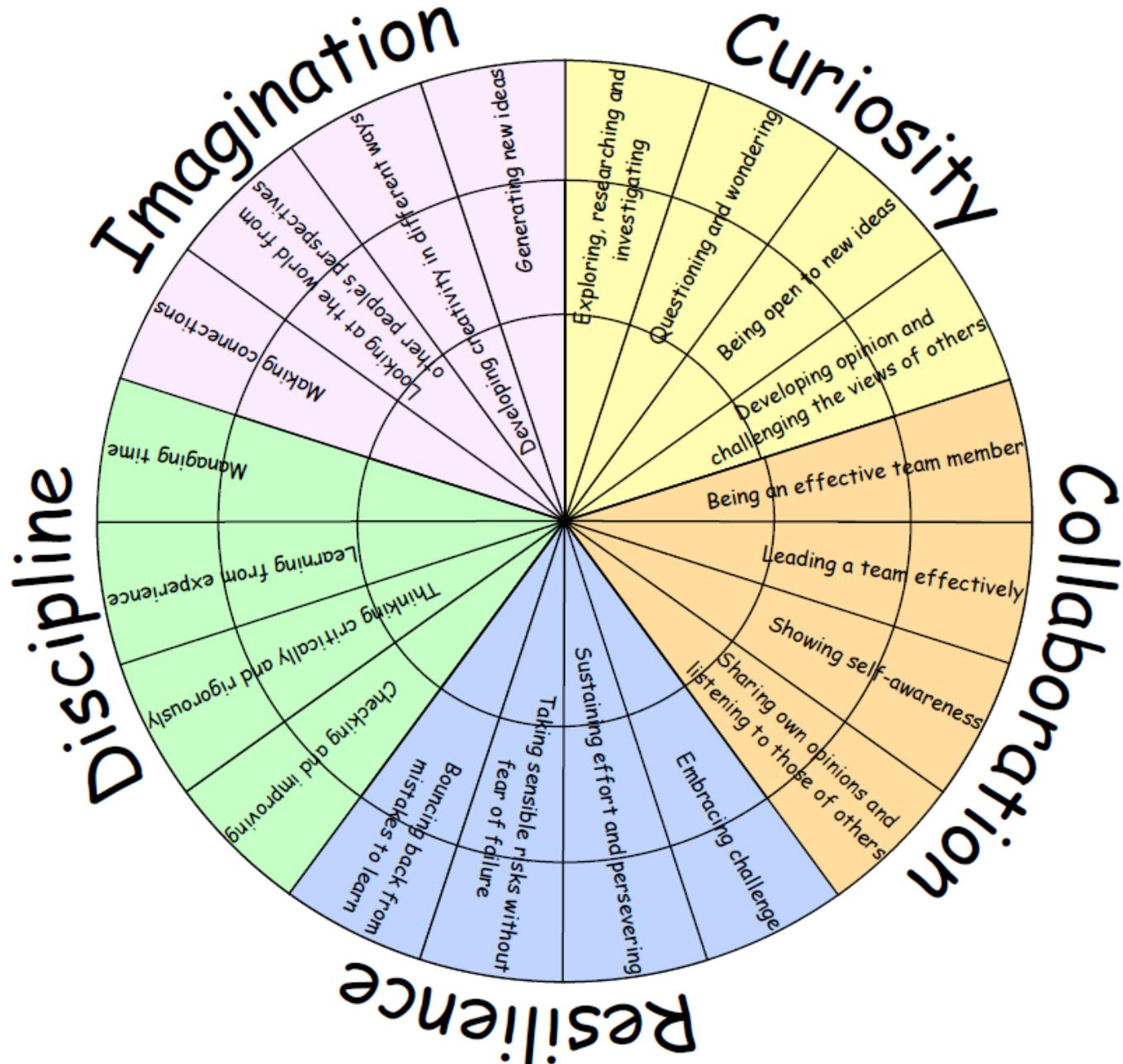
Shade three-quarters of each shape.



I CAN INTERPRET A PIE CHART

Statistics (31ix)

LEARNING HABITS?



GUIDED PRACTICE

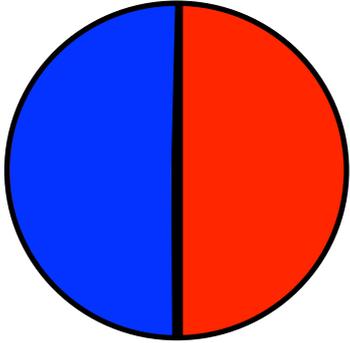
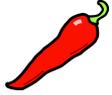
- 1) How could you represent the children at the fancy dress party with a pie chart?
- 2) One superhero, one cat and two pirates leave early.

What would the pie chart look like now?



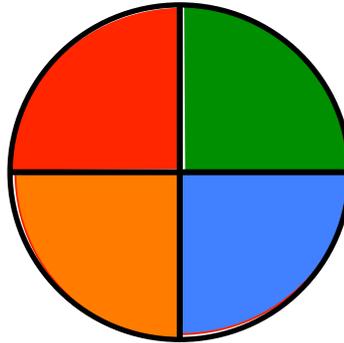
What is the same and what is different about the two pie charts?

INTELLIGENT PRACTICE



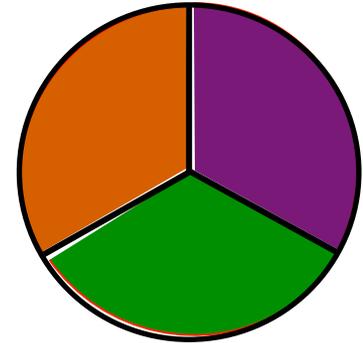
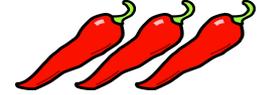
12 children voted for either **Messi** or **Ronaldo**.

How many voted for **Messi**?



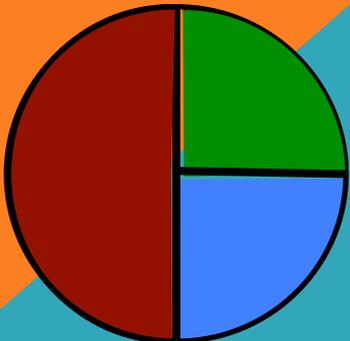
12 children voted for either **coke**, **pepsi**, **tango** or **sprite**.

How many voted for **coke**?



12 children voted for either **basketball**, **football** or **cricket**.

How many voted for **cricket**?

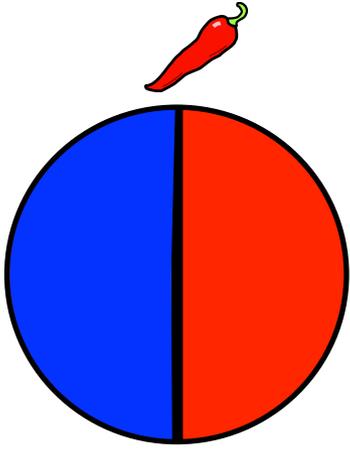


Some children voted for either **pizza**, **chips** or **tacos**.

12 Children voted for pizza.

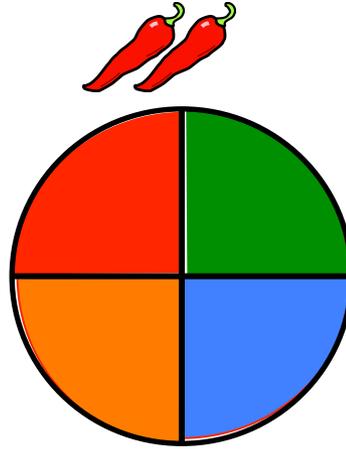
How many voted in total?

INTELLIGENT PRACTICE ANSWERS



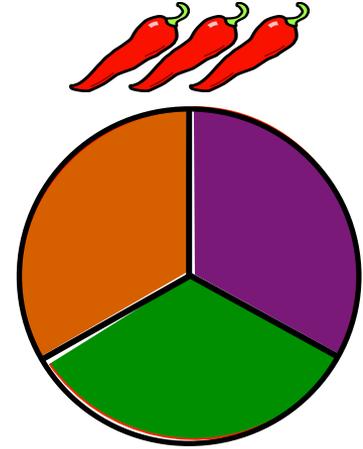
12 children voted for either **Messi** or **Ronaldo**.

How many voted for **Messi**? **6**



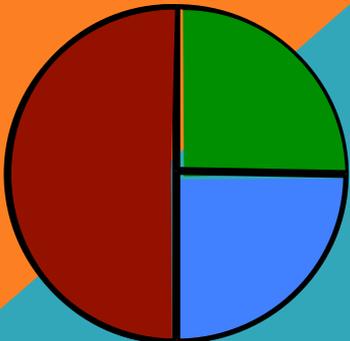
12 children voted for either **coke**, **pepsi**, **tango** or **sprite**.

How many voted for **coke**? **3**



12 children voted for either **basketball**, **football** or **cricket**.

How many voted for **cricket**? **4**



Some children voted for either **pizza**, **chips** or **tacos**.

12 Children voted for **pizza**.

How many voted in total? **48**

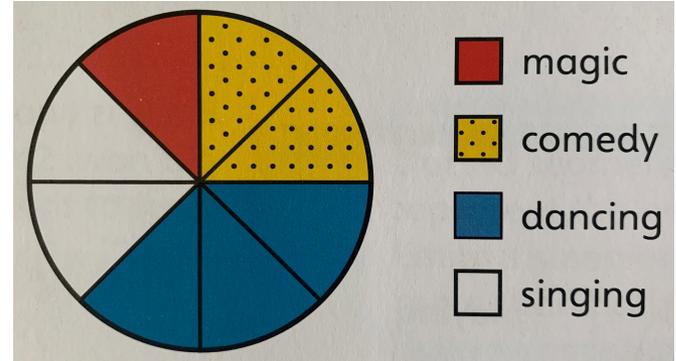
DIVE DEEPER 1

1) 24 people entered a talent show. The pie chart shows what they performed.

a) How many more people performed comedy?

b) How many more people danced than performed magic?

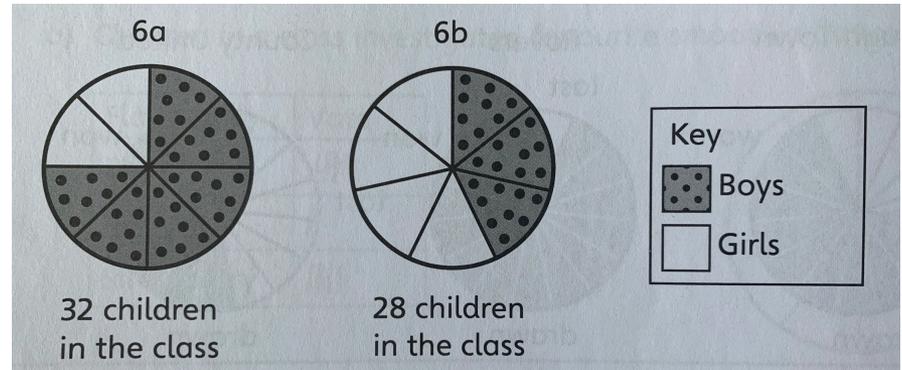
a) How many people did not sing?



2) There are two classes in year 6. These pie charts show the number of girls and boys in each class.

a) How many boys are there in 6a?

b) How many boys are there in 6b?



DIVE DEEPER 1 ANSWERS

1) 24 people entered a talent show. The pie chart shows what they performed.

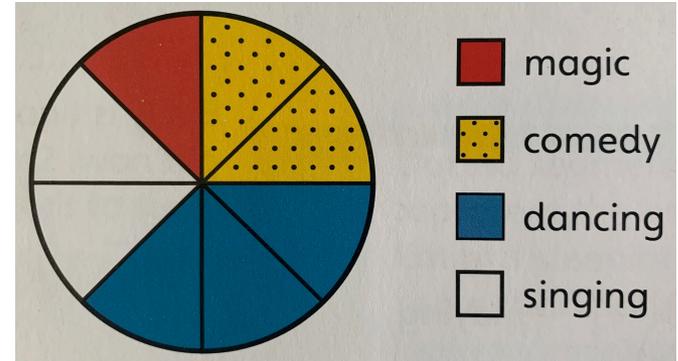
a) How many more people performed comedy?

6 children

b) How many more people danced than performed magic?

6 children

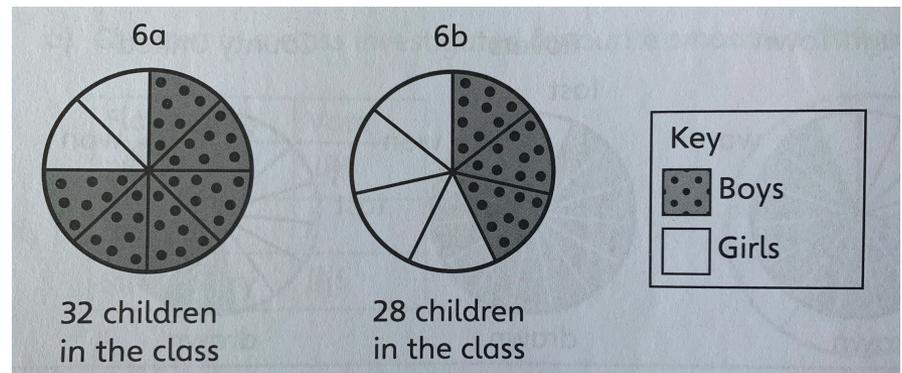
c) How many people did not sing? **18 people did not sing.**



2) There are two classes in year 6. These pie charts show the number of girls and boys in each class.

a) How many boys are there in 6a? **24**

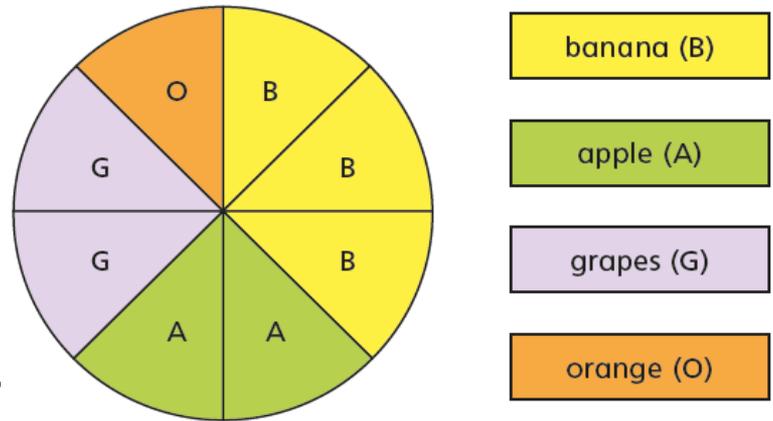
b) How many boys are there in 6b? **12**



DIVE DEEPER 2

3) The pie chart shows the favourite fruit of 48 children.

- a) How many children chose banana?
- b) How many chose apple?
- c) What fraction of the children chose orange?
- d) What fraction of the children chose grape?



4) A survey asked 1,200 people how many televisions they have in their home.

The results are shown in a pie chart.

- a) How many people have two televisions in their home?
- b) How many people have more than two televisions in their home?
- c) What fraction of the people have fewer than three televisions in the homes?



DIVE DEEPER 2 ANSWERS

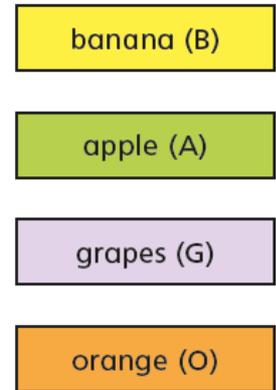
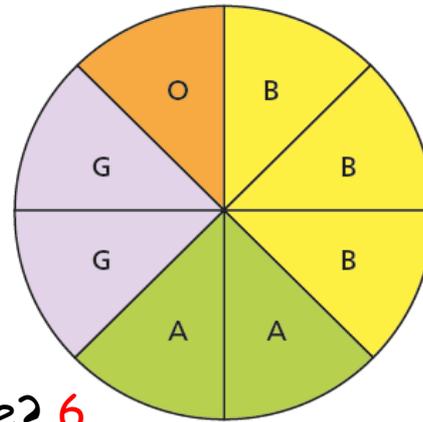
3) The pie chart shows the favourite fruit of 48 children.

a) How many children chose banana? **18**

b) How many chose apple? **12**

c) What fraction of the children chose orange? **6**

d) What fraction of the children chose grape? **$2/8 = 1/4$**



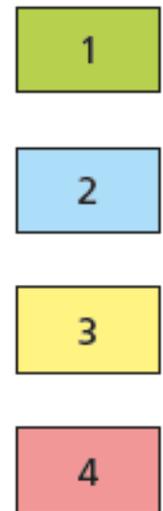
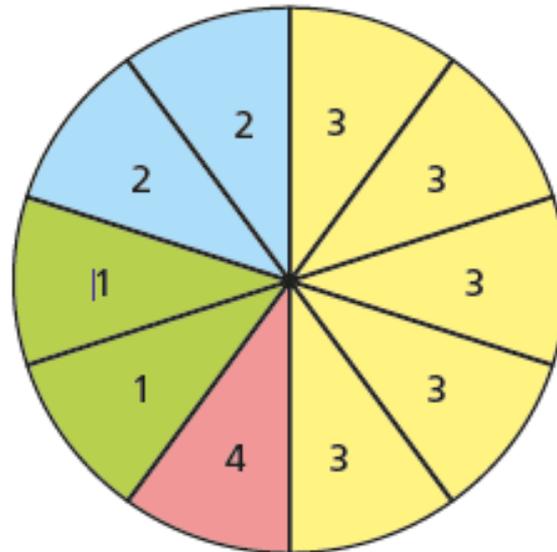
4) A survey asked 1,200 people how many televisions they have in their home.

The results are shown in a pie chart.

a) How many people have two televisions in their home? **240**

b) How many people have more than two televisions in their home? **720**

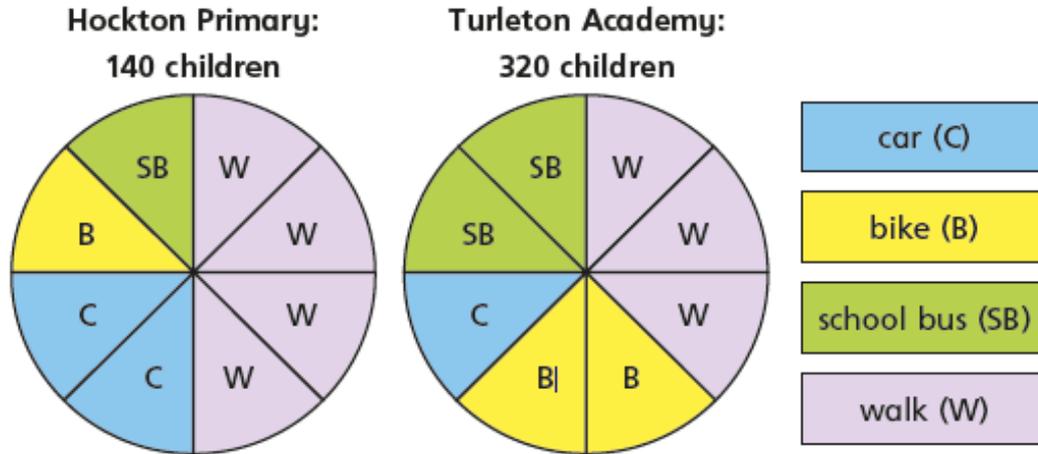
c) What fraction of the people have fewer than three televisions in the homes? **480**



DIVE DEEPER 3

5) Children from two schools were asked how they travel to school.

The results are shown in pie charts.



a) Tommy says that, 'More children from Hockton Primary walk to school because more pieces show walk.'

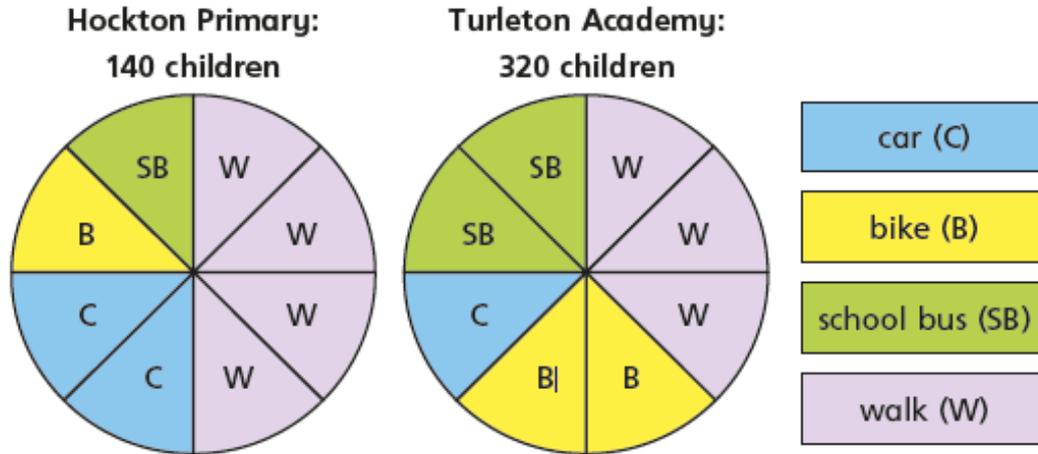
Do you agree with Tommy? Explain your answer

b) How many children from each school travel by car?

DIVE DEEPER 3 ANSWERS

5) Children from two schools were asked how they travel to school.

The results are shown in pie charts.



a) Tommy says that, 'More children from Hockton Primary walk to school because more pieces show walk.'

Do you agree with Tommy? **No because there are more children at Turleton Academy. Therefore each piece represent more children.**

b) How many children from each school travel by car?

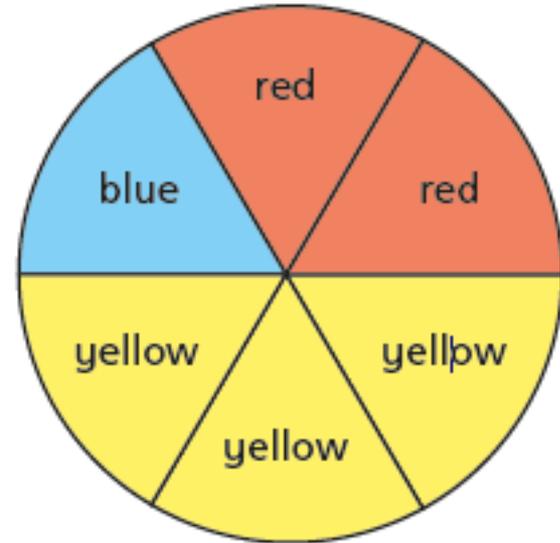
Hockton Primary = 35 children

Turleton Academy = 40 children

DIVE DEEPER 4

6) A bag contains red, yellow and blue counters.

The pie chart shows the proportion of counters of each colour.



a) There are 30 red counters in the bag.

How many counters are in the bag in total?

b) What is the difference between the number of blue counters and the number of yellow counters?

c) Complete the sentences.

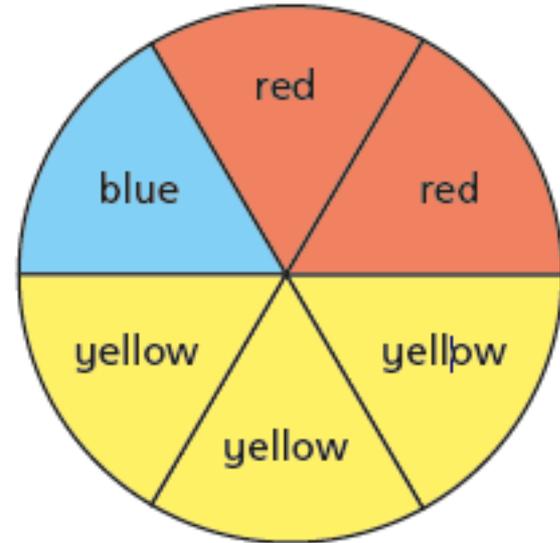
There are half as many _____ counters as _____ counters.

There are three times as many _____ counters as _____ counters.

DIVE DEEPER 4 ANSWERS

6) A bag contains red, yellow and blue counters.

The pie chart shows the proportion of counters of each colour.



a) There are 30 red counters in the bag.

How many counters are in the bag in total? 90

b) What is the difference between the number of blue counters and the number of yellow counters? 30

c) Complete the sentences.

There are half as many blue counters as red counters.

There are three times as many yellow counters as blue counters.

SELF-ASSESSMENT

- Some will even be able use data and fractions to work out how many were in the data set originally
 - Some will be able to relate pie charts to simple fractions
 - Most will be able to read pie charts using the simple fractions
 - All will be able read pie charts where one segment represents one vote
- 