Varied Fluency
Step 4: Draw Pictograms (2, 5 and 10)

National Curriculum Objectives:

Mathematics Year 2: (2S1) Interpret and construct simple pictograms, tally charts, block diagrams and simple tables

Differentiation:

Developing Questions to support understanding and drawing pictograms from tally charts, using a key to show that one picture represents 2, 5 or 10. No half pictures. Some pictograms partially completed.

Expected Questions to support understanding and drawing pictograms from tally charts, using a key to show that one picture represents 2, 5 or 10. Includes some half pictures. Some pictograms partially completed.

Greater Depth Questions to support understanding and drawing pictograms from tally charts, using a key to show that one picture represents 2, 5 or 10. Includes half pictures. All pictograms left blank or no value given.

More Year 2 Statistics resources.

Did you like this resource? Don't forget to review it on our website.

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Draw Pictograms (2, 5 and 10)

1a. A class collect information about minibeasts.

	Number of Minibeasts
Slug	𝍩𝍩𝍩𝍩
Snail	𝍩𝍩𝍩𝍩𝍩𝍩
Worm	𝍩𝍩𝍩𝍩 𝍩𝍩𝍩𝍩
Butterfly	𝍩𝍩

Complete the pictogram.

Minibeast	Number of Minibeasts
Slug	🟡🟡🟡🟡
Snail	🟤🟤🟤🟤🟤🟤
Worm	
Butterfly	

⬤ = 5 minibeasts

VF

1b. A class collect information about eye colours.

	Number of Children
Blue	𝍩𝍩𝍩
Brown	𝍩𝍩𝍩𝍩
Green	𝍩𝍩
Hazel	𝍩

Complete the pictogram.

Eye Colour	Number of Children
Blue	🟦 🟦 🟦
Brown	🟫 🟫 🟫 🟫
Green	
Hazel	

◼ = 5 children

VF

2a. Complete the missing information.

Hair Colour	Number of Children
Blonde	
Brown	
Black	𝍩𝍩𝍩𝍩𝍩𝍩
Red	𝍩𝍩

⬤ = 10 children

Hair Colour	Number of Children
Blonde	🟡🟡🟡
Brown	🟤🟤🟤🟤🟤
Black	
Red	

VF

2b. Complete the missing information.

Favourite Drink	Number of Children
Cola	𝍩𝍩
Orange	
Water	𝍩𝍩𝍩𝍩𝍩𝍩𝍩𝍩𝍩
Milk	

◼ = 10 children

Favourite Drink	Number of Children
Cola	
Orange	🟧 🟧
Water	
Milk	🟨 🟨 🟨

VF

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Varied Fluency – Draw Pictograms (2, 5 and 10) – Year 2 Developing

Draw Pictograms (2, 5 and 10)

3a. A headteacher wants to find out how many children use the school library. She collects some information.

Children	Number of Library Books Borrowed
KS1 Boys	卌 卌 卌 卌 卌 卌
KS1 Girls	卌 卌 卌 卌 卌 卌 卌
KS2 Boys	卌 卌
KS2 Girls	卌 卌 卌 卌 卌

Complete the pictogram.

	Number of Library Books Borrowed
KS1 Boys	
KS1 Girls	
KS2 Boys	▲ ▲
KS2 Girls	▲ ▲ ▲ ▲ ▲

▲ = 5 books

3b. A vet wants to find out how many animals she treats in a week. She collects some information.

Pets	Number of Pets Treated
Dog	卌 卌 卌 卌 卌 卌 卌 卌
Cat	卌 卌 卌 卌 卌 卌 卌
Rabbit	卌 卌 卌
Snake	卌

Complete the pictogram.

Pets	Number of Pets Treated
Dog	■ ■ ■ ■ ■ ■ ■ ■
Cat	
Rabbit	
Snake	■

■ = 5 pets

4a. Complete the missing information.

Get to School	Number of Children
Walk	卌 卌 卌 卌 卌 卌 卌
Bike	卌 卌 卌 卌
Car	卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌
Bus	卌

▲ = 10 children

Get to School	Number of Children
Walk	
Bike	
Car	
Bus	

4b. Complete the missing information.

Favourite Fruit	Number of Children
Banana	卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌
Apple	卌 卌 卌 卌 卌 卌 卌 卌
Grapes	卌 卌 卌
Pear	卌 卌

■ = 10 children

Favourite Fruit	Number of Children
Banana	
Apple	
Grapes	
Pear	

5a. A teacher wants to find out what type of texts the children like to read. She collects some information.

Text Type	Number of Children
Poetry	卌 卌 卌 III
Comics	卌 卌 卌 卌 I
Fiction	卌
Reports	卌 卌

Draw the pictogram. Use one symbol for every 2 tallies.

GD   VF

5b. A class want to find out how many birds they see in a day. They collect some information.

Birds	Number of Birds Seen
Magpie	卌 卌 I
Blackbird	卌 卌 卌 IIII
Robin	卌 III
Sparrow	卌 卌 卌 卌 III

Draw the pictogram. Use one symbol for every 2 tallies.

GD   VF

6a. 80 children were asked about their favourite sport. 10 more children liked tennis than athletics and rugby was the second most popular sport. Complete the tally chart and pictogram.

Sport	Number of Children
Football	卌 卌 卌 卌 卌 卌 卌
Rugby	
Tennis	
Athletics	卌

▲ = 10 children

GD   VF

6b. 100 children were asked about their favourite vegetable. 20 more children liked sweetcorn than carrots. Complete the tally chart and pictogram.

Vegetable	Number of Children
Onion	
Pepper	卌 卌 卌 卌 卌 卌 卌 卌 卌
Sweetcorn	
Carrot	卌 卌 卌

■ = 10 children

GD   VF

Developing

1a.

Minibeast	Number of Minibeasts
Slug	◯ ◯ ◯ ◯
Snail	◯ ◯ ◯ ◯ ◯ ◯
Worm	● ● ● ● ● ● ● ●
Butterfly	● ●

2a.

Hair Colour	Number of Children
Blonde	ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ
Brown	ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ
Black	ⵌ ⵌ ⵌ ⵌ ⵌ
Red	ⵌ ⵌ

Hair Colour	Number of Children
Blonde	◯ ◯ ◯
Brown	◯ ◯ ◯ ◯ ◯
Black	● ● ●
Red	●

Developing

1b.

Eye Colour	Number of Children
Blue	☐ ☐ ☐
Brown	☐ ☐ ☐ ☐
Green	■ ■
Hazel	■

2b.

Favourite Drink	Number of Children
Cola	ⵌ ⵌ
Orange	ⵌ ⵌ ⵌ ⵌ
Water	ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ
Milk	ⵌ ⵌ ⵌ ⵌ ⵌ ⵌ

Favourite Drink	Number of Children
Cola	■
Orange	☐ ☐
Water	■ ■ ■ ■
Milk	☐ ☐ ☐

Expected

3a.

	Number of Library Books Borrowed
KS1 Boys	▲ ▲ ▲ ▲ ▲ ▲
KS1 Girls	▲ ▲ ▲ ▲ ▲ ▲ ▲
KS2 Boys	△ △
KS2 Girls	△ △ △ △ △

4a.

Get to School	Number of Children
Walk	▲ ▲ ▲ ◢
Bike	▲ ▲
Car	▲ ▲ ▲ ▲ ▲
Bus	◢

Expected

3b.

Pets	Number of Pets Treated
Dog	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Cat	■ ■ ■ ■ ■ ■ ■
Rabbit	■ ■ ■
Snake	☐

4b.

Favourite Fruit	Number of Children
Banana	■ ■ ■ ■
Apple	■ ■ ■ ◣
Grapes	■ ◣
Pear	■

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Varied Fluency – Draw Pictograms (2, 5 and 10) **ANSWERS**

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Greater Depth

5a.

Text Type	Number of Children
Poetry	●●●●●●●●●
Comics	●●●●●●●●◖
Fiction	●●◖
Reports	●●●●●

6a.

Sport	Number of Children
Football	⦀⦀⦀⦀⦀⦀⦀
Rugby	⦀⦀⦀⦀⦀
Tennis	⦀⦀⦀
Athletics	⦀

Sport	Number of Children
Football	●●●◖
Rugby	●●◖
Tennis	●◖
Athletics	◖

Greater Depth

5b.

Birds	Number of Birds Seen
Magpie	▮▮▮▮▮
Blackbird	▮▮▮▮▮▮▮▮
Robin	▮▮▮
Sparrow	▮▮▮▮▮▮▮▮▮▮

6b.

Vegetable	Number of Children
Onion	⦀
Pepper	⦀⦀⦀⦀⦀⦀⦀⦀⦀⦀
Sweetcorn	⦀⦀⦀⦀⦀⦀⦀
Carrot	⦀⦀⦀

Vegetable	Number of Children
Onion	▮
Pepper	▮▮▮▮▮
Sweetcorn	▮▮▮▮
Carrot	▮▮