Steady Steps Maths

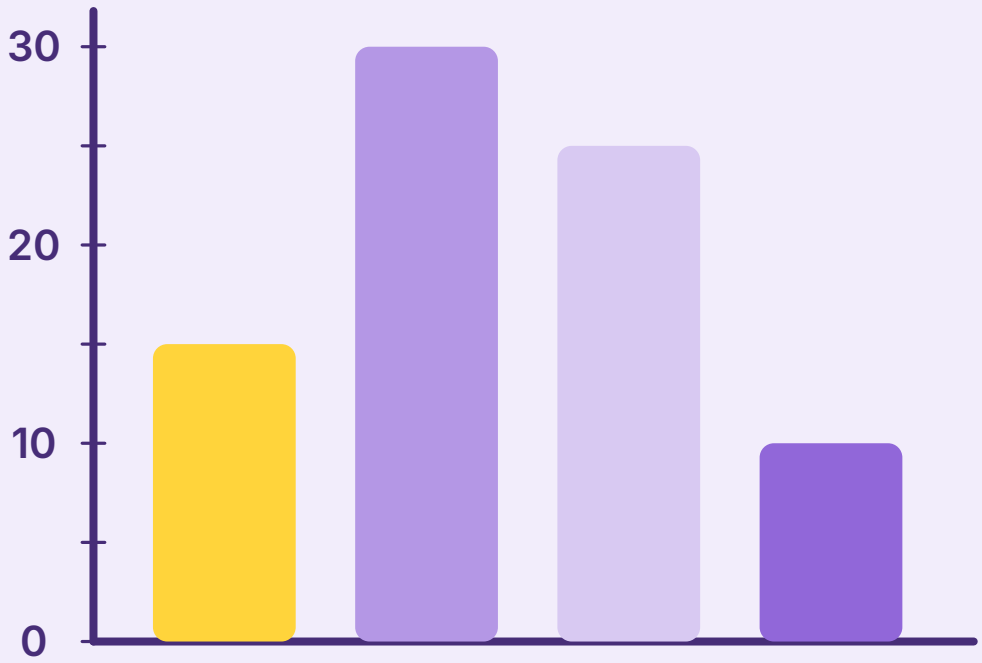
FREE SAMPLE WORKSHEET · TOPIC 8

FREE SAMPLE

Graphs & Line Plots

Free sample worksheet · with answers

GRADE 3



Common Core 3.MD.B.3–4

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Name _____ Date _____

Quick recap

The big idea from each pack in this topic. Read it first, then try the questions.

Learn it · Pack 1 · Picture and bar graphs

Check the key or the scale first.

If ● = 5, then ●●●● = **20**. If the scale goes up in 5s, a bar ending 2 lines above 20 shows **30**.

Learn it · Pack 2 · Measuring and line plots

Measure from 0 to the nearest quarter inch.

Put one X for each length.

A bar ending at the first mark after 3 1/2 is **3 3/4 inches**.

PACK 1 Picture Graphs & Bar Graphs

1 How many children chose blue?

Favourite colour

Red	●●●
Blue	●●●●●
Green	●◐
Yellow	●●●●

● = 2 children

Answer _____

2 Same graph: how many more chose yellow than green?

Answer _____

3 Same graph: how many children voted altogether?

Answer _____

4 Each symbol stands for 5. How many symbols show 35?

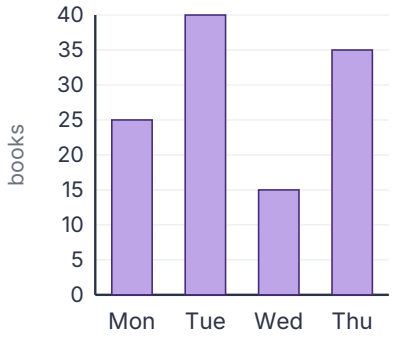
Answer _____

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5 How many books on Tuesday?

Books borrowed



Answer

6 Same bar graph: how many fewer on Wednesday than Thursday?

Answer

7 A scale goes up in 10s. A bar stops halfway between 60 and 70. What does it show?

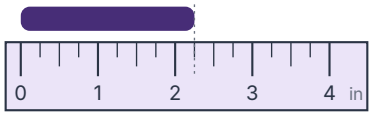
Answer

8 Each symbol stands for 4. What do 3 and a half symbols show?

Answer

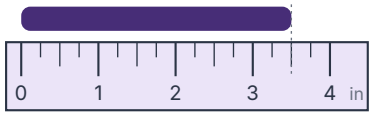
PACK 2 Measuring & Line Plots

9 How long is the bar to the nearest quarter inch?



Answer

10 How long is the bar to the nearest half inch?



Answer

11 How many quarter inches make 2 inches?

Answer

12 Which is longer: 1 3/4 inches or 1 1/2 inches?

Answer

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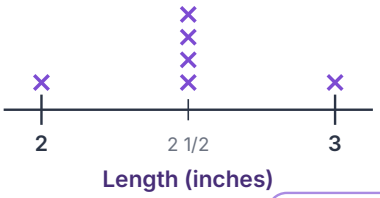
13 A line plot has 2 X marks above 3 and 5 X marks above 3 1/4. How many lengths?

Answer

14 Which mark is halfway between 4 and 5 on a ruler?

Answer

15 On a line plot, which length has the most X marks?



Answer

16 Same line plot: how many lengths were measured?

Answer

Real life

Read carefully, then show your working

17 A picture graph shows apples sold. Each symbol stands for 10. Monday has 4 symbols and Tuesday has 6 and a half.
(a) How many on each day? (b) How many more on Tuesday?

Answer

18 Four pencils measure 3 in, 3 1/2 in, 3 1/2 in and 4 in.
(a) Which length is the most common? (b) How many X marks go above 3 1/2 on a line plot?

Answer

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Answer key

For parents · check the steps as well as the final answer

Pack 1	**1)** 10 **2)** 5 **3)** 27 **4)** 7 **5)** 40 **6)** 20 **7)** 65 **8)** 14
Pack 2	**9)** 2 1/4 inches **10)** 3 1/2 inches **11)** 8 **12)** 1 3/4 inches **13)** 7 **14)** 4 1/2 **15)** 2 1/2 inches (4 X marks) **16)** 6
Real life	**17)** (a) Monday 40, Tuesday 65 (b) 25 **18)** (a) 3 1/2 inches (b) 2

Tip: Check every answer against the key or scale. Fraction lengths can be written as 2 1/4 or 2¼.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 70, plus 10 unit tests.

Everything a Grade 3 student needs on data: reading and drawing scaled picture graphs and bar graphs, “how many more” and “how many fewer” problems, measuring lengths to the nearest half and quarter inch, and making line plots.

What you get	What's inside	Questions
Pack 1 · Picture Graphs & Bar Graphs	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.MD.B.3	35
Pack 2 · Measuring & Line Plots	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.MD.B.4	35
Complete Topic book	Both packs in one book with a contents page	70
10 Unit Tests (A–J)	40 marks each, about 40 minutes, with a mark scheme and a “what to revise” table. **Test A is free.**	18 per test

How to use this sample

1. Let your child read the recap page and try the questions on their own.
2. Mark together with the answer key. Each section shows which pack it comes from.
3. If a section felt hard, that pack is the place to start. If it all felt easy, try the free Unit Test A.

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