Steady Steps Maths

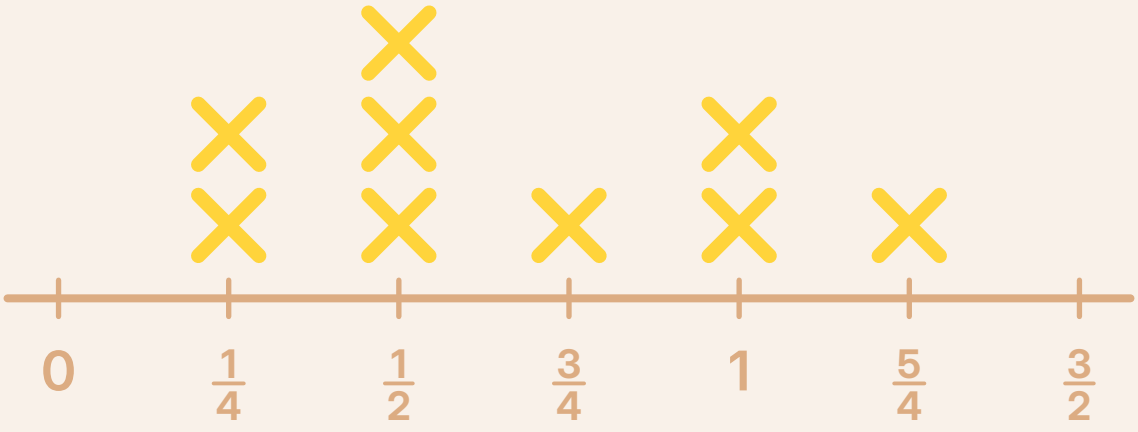
FREE SAMPLE WORKSHEET · TOPIC 8

FREE SAMPLE

Measurement & Line Plots

Free sample worksheet · with answers

GRADE 5



Common Core 5.MD.A.1, 5.MD.B.2

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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 · Converting units

Bigger unit → smaller unit: multiply.

Smaller → bigger: divide.

2.6 km = 2,600 m · 3 ft = 36 in · 4,500 g = 4.5 kg

Learn it · Pack 2 · Line plots

Each X is one item, placed above its value on the number line.

Add the values to find a total; share the total to find equal amounts.

PACK 1 Converting Units

1. Convert 4.3 m to centimetres.

Answer

2. Convert 7,250 m to kilometres.

Answer

3. Convert 3.8 kg to grams.

Answer

4. Convert 2.5 L to millilitres.

Answer

5. How many inches are in 7 feet?

Answer

6. How many cups are in 3 pints? (1 pint = 2 cups)

Answer

7. How many ounces are in 5 pounds?

Answer

8. Write 2 yd 2 ft in feet.

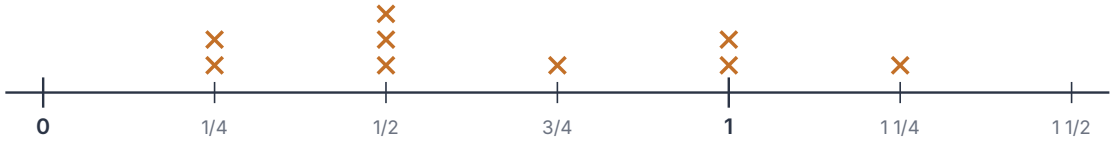
Answer

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PACK 2

Line Plots with Fractions



Length of snails (inches)

9 Use the line plot. How many snails were measured?

Answer _____

10 Which length was the most common?

Answer _____

11 How many snails were longer than $\frac{3}{4}$ inch?

Answer _____

12 What is the difference between the longest and shortest snail?

Answer _____

13 What is the total length of the snails that are $\frac{1}{2}$ inch long?

Answer _____

14 What is the total length of all the snails?

Answer _____

15 If the total length were shared equally, how long would each snail be?

Answer _____

16 How many snails were exactly 1 inch long?

Answer _____

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Real life

Read carefully, then show your working

17 A water cooler holds 18 L. Each paper cup holds 250 mL.
(a) How many millilitres does the cooler hold? (b) How many cups can be filled?

Answer

18 Three pieces of wood are $1\frac{1}{4}$ m, $\frac{3}{4}$ m and $\frac{1}{2}$ m long.
(a) What is their total length? (b) If the wood were cut into 3 equal pieces, how long would each be?

Answer

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Answer key

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

Pack 1	**1)** 430 cm **2)** 7.25 km **3)** 3,800 g **4)** 2,500 mL **5)** 84 in **6)** 6 cups **7)** 80 oz **8)** 8 ft
Pack 2	**9)** 9 **10)** 1/2 inch **11)** 3 **12)** 1 inch **13)** 1 1/2 inches **14)** 6 inches **15)** 2/3 inch **16)** 2
Real life	**17)** (a) 18,000 mL (b) 72 cups **18)** (a) 2 1/2 m (b) 5/6 m

Tip: 1 km = 1,000 m, 1 kg = 1,000 g, 1 L = 1,000 mL, 1 m = 100 cm, 1 ft = 12 in, 1 yd = 3 ft, 1 lb = 16 oz.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 83, plus 10 unit tests.

Everything a Grade 5 student needs on measurement data: converting metric and US units, multi-step measurement problems, and reading, making and using line plots of measurements in halves, quarters and eighths.

What you get	What's inside	Questions
Pack 1 · Converting Units	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.MD.A.1	46
Pack 2 · Line Plots with Fractions	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.MD.B.2	37
Complete Topic book	All 2 packs in one book with a contents page	83
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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