Steady Steps Maths

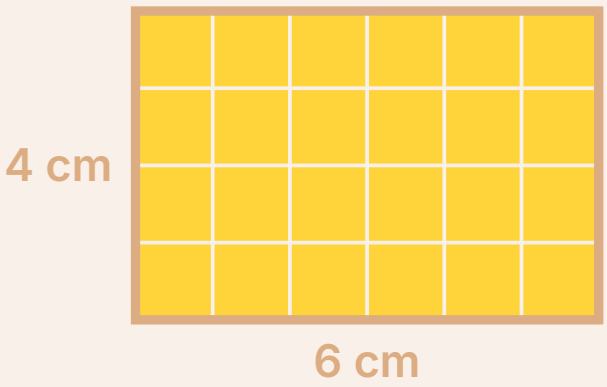
FREE SAMPLE WORKSHEET · TOPIC 9

FREE SAMPLE

Measurement & Data

Free sample worksheet · with answers

GRADE 4



Area = 24 cm²

Perimeter = 20 cm

Common Core 4.MD.A.1–3, 4.MD.B.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 · Converting units

Bigger unit → smaller unit: multiply.

4 m 6 cm = 400 + 6 = **406 cm**

Learn it · Pack 2 · Word problems

Use one unit. Count on to find a time.

8:45 → 10:10 is **1 hr 25 min**

Learn it · Pack 3 · Area and perimeter

P = 2 × (l + w) A = l × w

12 m by 5 m: P = **34 m**, A = **60 m²**

Learn it · Pack 4 · Line plots

Each X is one measurement.

4 Xs above $\frac{3}{8}$ in → 12/8 = **1 4/8 = 1 1/2 in**

PACK 1 Converting Units

1. Convert: 5 km 70 m = ☐ m

   Answer _____

2. Convert: 9 lb = ☐ oz

   Answer _____

3. Convert: 2 hr 25 min = ☐ min

   Answer _____

4. In a table, 1 l → 1,000 ml. What is 6 l?

   Answer _____

PACK 2 Measurement Word Problems

5. A concert runs from 7:40 to 9:15. How long is it?

   Answer _____

6. Sara drinks 400 ml from a 1 l 250 ml bottle. How many ml are left?

   Answer _____

7. Add 3 kg 200 g and 1 kg 900 g. Answer in grams.

   Answer _____

8. 4 notebooks cost 6 each. Ali pays 50. What is his change?

   Answer _____

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PACK 3 Area & Perimeter

9 A rectangle is 11 cm long and 6 cm wide. Find its perimeter.

Answer

10 A rectangle is 9 m long and 7 m wide. Find its area.

Answer

11 A rectangle has an area of 54 cm². Its length is 9 cm. How wide is it?

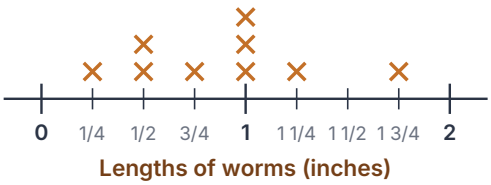
Answer

12 A square has a perimeter of 44 m. How long is each side?

Answer

PACK 4 Line Plots with Fractions

13 Which worm length is the most common?



Lengths of worms (inches)

Answer

14 Use the plot. How much longer is the longest worm than the shortest?

Answer

15 3 Xs are above $\frac{5}{8}$ in. What is their total?

Answer

16 Add the lengths $1\frac{3}{8}$ m and $\frac{2}{8}$ m.

Answer

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Real life

Read carefully, then show your working

17 Mia's swimming lesson starts at 3:50 and lasts 45 minutes. Then she walks home, which takes 20 minutes.
(a) What time does the lesson end? (b) What time does Mia get home?

Answer

18 A vegetable plot is a rectangle 8 m long and 5 m wide.
(a) How much edging is needed to go all the way around it? (b) Each square metre needs 2 litres of water. How many litres does the whole plot need?

Answer

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Answer key

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

Pack 1	**1)** 5,070 m **2)** 144 oz **3)** 145 min **4)** 6,000 ml
Pack 2	**5)** 1 hr 35 min **6)** 850 ml **7)** 5,100 g **8)** 26
Pack 3	**9)** 34 cm **10)** 63 m² **11)** 6 cm **12)** 11 m
Pack 4	**13)** 1 in **14)** 1 2/4 in (also 1 1/2 in) **15)** 15/8 = 1 7/8 in **16)** 1 5/8 m
Real life	**17)** (a) 4:35 (b) 4:55 **18)** (a) 26 m (b) 40 m² × 2 = 80 litres

Tip: Write both measurements in the same unit before adding or subtracting: 3 kg 200 g = 3,200 g.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 163, plus 10 unit tests.

Everything a Grade 4 student needs on measurement and data: converting metric and US units and units of time, word problems with distance, time, volume, mass and money, area and perimeter of rectangles, and line plots with fractions.

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 4.MD.A.1	46
Pack 2 · Measurement Word Problems	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 4.MD.A.2	37
Pack 3 · Area & Perimeter	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 4.MD.A.3	45
Pack 4 · Line Plots with Fractions	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 4.MD.B.4	35
Complete Topic book	All 4 packs in one book with a contents page	163
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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