

## Measurement and Data: math test, Grade 4 – download the PDF

Suggested time: 45 minutes. Out of 20 points. Calculator allowed only when the problem says so.

### 1 Conversions

/ 4 pts

Convert.

- a. 7 ft = ? in
- b. 9 m = ? cm
- c. 5 L = ? mL
- d. 6 lb = ? oz

### 2 Time

/ 3 pts

- a. A class starts at 7:25 am and ends at 9:10 am. How long is it?
- b. A game starts at 1:40 pm and lasts 2 hours 35 minutes. When does it end?

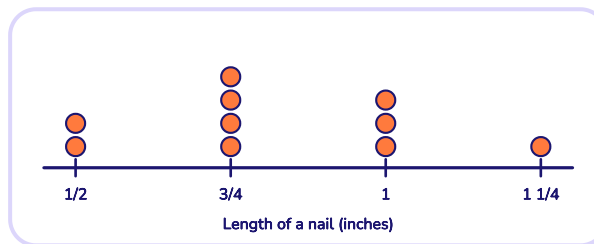
### 3 Rectangles

/ 4 pts

- A patio is 11 m long and 7 m wide. Find its perimeter and its area.
- A rectangular yard has a perimeter of 30 ft and a length of 9 ft. Find its width and its area.

### 4 Line plot of nails

/ 3 pts



The line plot shows the lengths of 10 nails in inches. (a) How many nails are longer than  $\frac{3}{4}$  inch? (b) What is the difference between the longest and the shortest nail? (c) What is the total length of the  $\frac{3}{4}$ -inch nails?

### 5 Concert money

/ 3 pts

Three concert tickets cost \$8.75 each. The family also buys snacks for \$4.50 and pays with \$40. Find the cost of the tickets, the total spent and the change.

### 6 Water tank

/ 3 pts

A tank holds 5 gallons of water. (a) How many 2-quart pitchers can be filled from it? (b) After 3 pitchers are used, how many quarts of water are in the remaining pitchers?



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