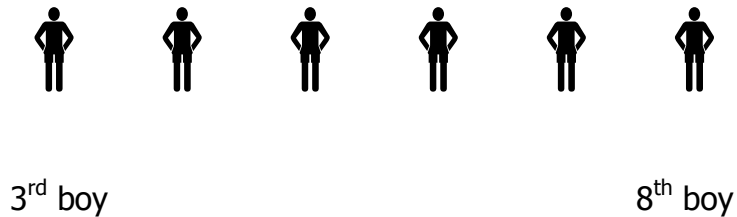


Questions from Celeste (07.06.13)

1. At a football field, 18 boys lined up in a row for their warm-up exercise. The spacing between two boys was the same. The distance between the 3rd boy and the 8th boy was 6.25 m. What was the distance between the 11th boy and the last boy?

Solution:



$8 - 3 = 5$ (spaces between every 2 boys)

Distance between every 2 boys $\rightarrow 6.25 \text{ m} \div 5 = 1.25 \text{ m}$

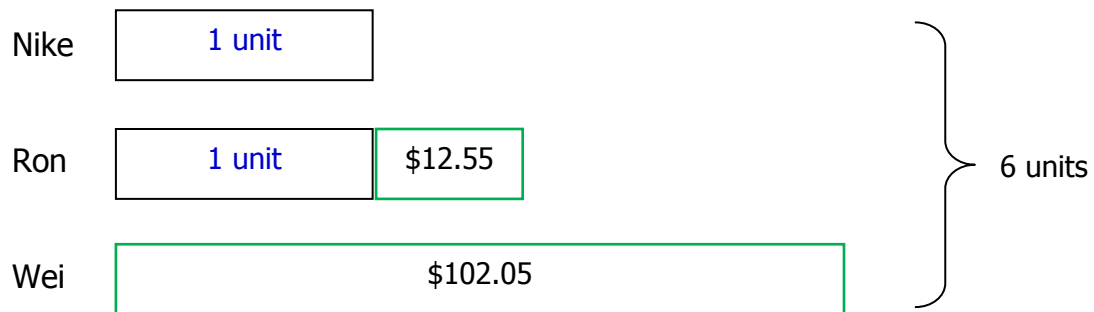
Number of spaces between the 11th boy and the last boy $\rightarrow 18 - 11 = 7$

Distance between the 11th boy and the last boy $\rightarrow 7 \times 1.25 \text{ m} = 8.75 \text{ m}$

Ans: The distance between the 11th boy and the last boy was 8.75 m.

2. Nike, Ron and Wei have some money. Nike's money is $\frac{1}{6}$ of the total amount. Ron has \$12.55 more than Nike. Wei has \$102.05. How much money do they have altogether?

Solution:



4 units \rightarrow $\$12.55 + \$102.05 = \$114.60$

1 unit \rightarrow $\$114.60 \div 4 = \28.65

6 units \rightarrow $\$28.65 \times 6 = \171.90

Ans: They have \$171.90 altogether.

3. Mrs Yati had a sum of money. At the Great Singapore Sale, she spent $\frac{1}{4}$ of her money on 5 similar pairs of shoes and half of her money on an oven. She then spent \$52.30 on clothes and had \$88.70 left. What was the price of each pair of shoes?

Solution:

Fraction of Mrs Yati's money spent on shoes and oven $\rightarrow \frac{1}{4} + \frac{1}{2} = \frac{3}{4}$

Remaining (amount spent on clothes and amount left) $\rightarrow \frac{1}{4}$

Amount spent on 5 similar pairs of shoes = Remaining amount = $\frac{1}{4}$ of total amount

$$5 \text{ pairs of shoes} \rightarrow \$52.30 + \$88.70 = \$141$$

$$1 \text{ pair of shoes} \rightarrow \$141 \div 5 = \$28.20$$

Ans: The price of each pair of shoes was \$28.20.

4. Linda paid \$64.80 for 28 burgers and 32 chicken pies for her son's birthday party. Later, she bought 7 more burgers and some more chicken pies for \$16.20. How many more chicken pies did she buy?

Solution:

A common factor of 28 and 32 is 4.

$$\begin{array}{r} 28 \text{ burgers} + 32 \text{ chicken pies} \rightarrow \$64.80 \\ \div 4 \quad \quad \quad \div 4 \quad \quad \quad \div 4 \\ \hline 7 \text{ burgers} + 8 \text{ chicken pies} \rightarrow \$16.20 \end{array}$$

Ans: She bought 8 more chicken pies.