

Quiz 1, Unit 7E, part 1

1. If 14 kg of pulses cost \$ 441, what is the cost of 22 kg of pulses?

- (a) \$ 627
- (b) \$ 649
- (c) \$ 671
- (d) \$ 693

2. If 36 men can do a piece of work in 25 days, in how many days will 15 men do it?

- (a) 50
- (b) 56
- (c) 60
- (d) 72

Solve each proportion.

1) $\frac{10}{8} = \frac{n}{10}$

2) $\frac{7}{5} = \frac{x}{3}$

3) $\frac{9}{6} = \frac{x}{10}$

4) $\frac{7}{n} = \frac{8}{7}$

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- 1 During a three day open house, an art gallery recorded 345 visitors. What is the average rate of visitors per day?
 - A) 0.007
 - B) 115
 - C) 345
 - D) 1035
- 2 A coffee house sold 640 L of coffee, and used 40 L of cream. What was the average rate of cream used per litre of coffee?
 - A) 16
 - B) 1.6
 - C) 0.625
 - D) 0.0625
- 3 A museum noticed that 18 of the 300 visitors in a week became members of the museum. What is the rate of joining per visitor?
 - A) 0.06 %
 - B) 0.6 %
 - C) 6 %
 - D) 18 %
- 4 A tap delivers water at a rate of 12 L/min. How long will it take to fill a pool with a volume of 4800 L?
 - A) 0.0025 min
 - B) 12 min
 - C) 400 min
 - D) 57 600 min
- 5 The island of Costa Lido has an over employment rate estimated at an average of 1.32 jobs per citizen. If the population is 2200, how many jobs are there?
 - A) 2904
 - B) 2200
 - C) 1667
 - D) 1320
- 6 The Northern Motor Company has discovered a manufacturing error which affected 2.5% of the 1600 automobile engines delivered in the previous month. How many are expected to have the problem?
 - A) 40
 - B) 400
 - C) 640
 - D) 1600

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