

WARM UP

Order numbers from least to greatest.

1) $1/5$, 0.26, $7/8$, 15%

2) $2/3$, 78%, 0.15, 0.26

3) 90%, 0.91, $8/10$, $5/6$

MATH COURSE I

Proportional
Reasoning

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CROSS MULTIPLYING

$$12/x = 3/9$$

$$12(9) = 3x$$

$$108 = 3x$$

$$x=36$$

USE PROPORTIONS

* Use proportions to find **exact** percentage of a number

[Video Example](#)

PRACTICE

- 1) 30% of 80
- 2) 25% of 400
- 3) 200% of 10
- 4) 0.6% of 270
- 5) 15% of 50
- 6) 7% of 200
- 7) 47% of 900
- 8) 0.8% of 2000

APPLY

- 1) The estimated population of a country in 2011 was 6,150 million. About 55% of the people were older than 20. What was the approximate number of people older than 20 to the nearest million?
- 2) A store finds that 60% of its total income in January came from online orders. The total income was \$4,150. What was the income from all of the online orders?