

WARM UP

Estimate.

1) 42% of 16

2) 19% of 31

3) 99% of 59

4) 32% of 68

MATH COURSE I

Applying
Estimating with
Percents

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VOCABULARY (Review)

Percent: a ratio that compares a number to 100

Symbol: %

APPLYING

When would we use this method of estimating the percent of a number?

TIPS

1) Joe spent \$59 on dinner for his family. About how much money should he leave for a 15% tip?

15% of 59

59 is about 60/100

***Think 15% is 10% + 5%**

10% of 60 = 6.0

5% is half of 10% so divide $6.0 \div 2 = 3.0$

6 + 3 = \$9 tip

TIPS

2) Kara spent \$28.80 on a hair cut. About how much money should she leave for a 15% tip?

- 1- round 28.80 to a compatible number
- 2- take 10% and 5% of that number
- 3- add the percentages together

TIPS

3) Stan paid a neighborhood boy 24.50 to mow his lawn. The boy did a fantastic job. About how much money should he leave for a 20% tip?

PERCENTAGES OFF

Math Application (word problems)

How did she get \$7.50?

Notes:

- 1- round to compatible numbers
- 2- take % of the compatible number, (change it to a fraction)
- 3- subtract the amount from the original total
- 4- compare the new price to the other price

Examples

MORE PRACTICE

More Practice questions 5, 10 and 19.