

Percentages Station 3

Paul and Doug are busy selling fake purses out of the back of their truck. The purses cost them \$20 each and sell for 400% what they pay for them. If they sell 80 purses at a weekend bazaar, how much will each receive if Paul takes 45% of the overall profits and Doug gets the rest?

Convert the following values to fractions. Reduce where possible.

$$0.34 = \underline{\hspace{2cm}}$$

$$1.2 = \underline{\hspace{2cm}}$$

$$0.0125 = \underline{\hspace{2cm}}$$

Percentages Station 4

Bob photocopies an image on a piece of paper at 80% its original size. It is still too big so he reduces the NEW image by an additional 10%. If the original width of the image was 20 cm, calculate its final width after the two reductions.

Fill in the blanks

135% of _____ is 405.

0.02% of _____ is 2.

90% of _____ is 81.

Percents Stations 6

Gertie sells \$4000.00 worth of sporting goods over a six hour period on a Saturday afternoon. She has a choice of how she will be paid.

- a. She could earn 25% of her sales.
- b. She could earn \$12.00 per hour and 15% of her sales.
- c. She could earn \$35.00 per hour.

If she wants to make the most money possible, which option is best? Show your proof below.

Only 0.05% of all applicants become astronauts. If Canada chose 8 astronauts last year, how many applied based on these statistics?

Percents Stations 7

Jimmy shades his hundred block chart with a number of coloured pencils. He shades 6 blocks red, 15% blue, $\frac{1}{5}$ green and 0.22 black. What percentage of blocks did not get shaded?

Steven ran 12 km per day. If he ups his game and runs 125% of this daily total, how many km will he run in a week, given that he always takes Wednesday and Saturday off to rest?