

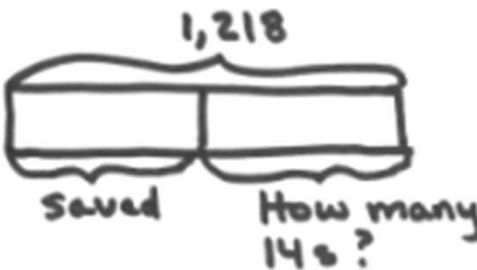
## Decimal Word Problems Worksheets

1. Ava is saving for a new computer that costs \$1,218. She has already saved half of the money. Ava earns \$14.00 per hour. How many hours must Ava work in order to save the rest of the money?

2. Michael has a collection of 1,404 sports cards. He hopes to sell the collection in packs of 36 cards and make \$633.75 when all the packs are sold. If each pack is priced the same, how much should Michael charge per pack?

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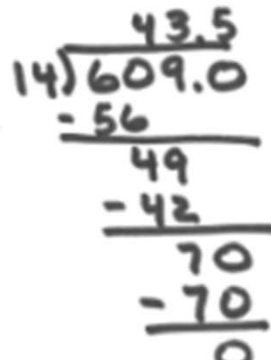


$1,218$


Saved      How many 14s?

$$1,218 \div 2 = 609$$
$$609 \div 14 = 43.5$$

Ava needs to work 43.5 more hours.


$$\begin{array}{r} 43.5 \\ 14 \overline{) 609.0} \\ \underline{-56} \phantom{0} \\ 49 \phantom{0} \\ \underline{-42} \phantom{0} \\ 70 \\ \underline{-70} \\ 0 \end{array}$$

2. Michael has a collection of 1,404 sports cards. He hopes to sell the collection in packs of 36 cards and make \$633.75 when all the packs are sold. If each pack is priced the same, how much should Michael charge per pack?

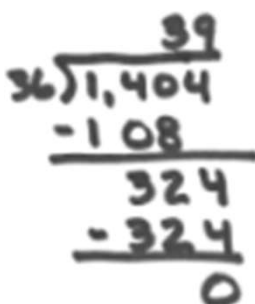
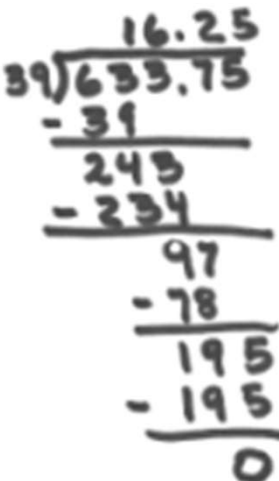


$1,404$

... How many 36s?

$$1,404 \div 36 = 39$$
$$633.75 \div 39 = 16.25$$

Michael should charge \$16.25.


$$\begin{array}{r} 39 \\ 36 \overline{) 1,404} \\ \underline{-108} \phantom{0} \\ 324 \\ \underline{-324} \\ 0 \end{array}$$

$$\begin{array}{r} 16.25 \\ 39 \overline{) 633.75} \\ \underline{-39} \phantom{00} \\ 243 \phantom{0} \\ \underline{-234} \phantom{0} \\ 97 \phantom{0} \\ \underline{-78} \phantom{0} \\ 195 \\ \underline{-195} \\ 0 \end{array}$$