

## Relative Frequency Histogram Worksheets

Calculators are allowed for completing your problems.

Hector's mom had a rummage sale, and after she sold an item, she tallied the amount of money she received for the item. The following is the frequency table Hector's mom created.

Amount of Money Received for the Item	Tally	Frequency	Relative Frequency
\$0–< \$5		2	
\$5–< \$10		1	
\$10–< \$15		4	
\$15–< \$20		10	
\$20–< \$25		5	
\$25–< \$30		3	
\$30–< \$35		2	

- What was the total number of items sold at the rummage sale?
- Complete the relative frequency column. Round the relative frequencies to the nearest thousandth.
- What percentage of the items Hector's mom sold were sold for \$15 or more but less than \$20?

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Amount of Money Received for the Item	Tally	Frequency	Relative Frequency
\$0–< \$5		2	0.074
\$5–< \$10		1	0.037
\$10–< \$15		4	0.148
\$15–< \$20		10	0.370
\$20–< \$25		5	0.185
\$25–< \$30		3	0.111
\$30–< \$35		2	0.074

- a. What was the total number of items sold at the rummage sale?

*The total number of items sold is 27 items.*

- b. Complete the relative frequency column. Round the relative frequencies to the nearest thousandth.

*See the table above.*

- c. What percentage of the items Hector's mom sold were sold for \$15 or more but less than \$20?

*37% of the items Hector's mom sold were sold for \$15 or more but less than \$20.*

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