

Mathematics Education and Support Hub (MESH) Accounting: Equations

Sample Questions - Solutions

1. Assets = Liabilities + Equity

Assets = \$60,500Equity = \$29,750

Therefore;

\$60,500 = Liabilities + \$29,750

Liabilities = \$60,500 - \$29,750

Therefore, Liabilities = \$30,750

2. Assets = Liabilities + Equity

Assets = \$124,650 Liabilities = \$75,350

Therefore;

\$124,650 = \$75,350 + Equity

Equity = \$124,650 - \$75,350

Therefore, Equity = \$49,300



3. Wage = Hours worked x Hourly rate

This can be rearranged as;

Hourly rate = Wage / Hours worked

Therefore;

Therefore Sam's hourly rate is \$16.75 per hour.

4. Shop B = \$86.50 Since Shop A is \$9 cheaper;

Shop
$$A = Shop B - $9$$

Therefore:

Shop
$$A = \$86.50 - \$9$$

= \\$77.50

Therefore, Shop A sells the part for \$77.50

5. Number of shoes required = Total net profit / net profit per shoe

Therefore;

Number of shoes required =
$$$3,500 / $25$$

= 140

Therefore, the company needs to manufacture 140 shoes to make a total net profit of \$3,500.