

# Calculating Earnings

## Piecework

### Piecework

$$\text{Pay} = \# \text{ of Items Completed} \times \text{Pay per piece}$$

Ex 1) Paul assembles packets of cutlery for the airline industry. He earns 5 cents .05 for each packet he assembles. If Paul assembles 6525 packets in one day, how much does he earn?

$$6525 \times .05 = \$326.25$$

Ex 2) Nicole sews buttons on jackets for 7 cents <sup>.07</sup> per button. If she sews on 4290 buttons in one day, calculate her weekly pay. (5 DAYS)

# OF BUTTONS X RATE X # DAYS

$$(4290 \times .07) =$$

$$\$300.30 \times 5$$

$$+1501.50$$

Ex 3) (Trickier)

A factory pays its worker \$15 per 50 zippers sewn.

a) If Billy can sew 300 zippers in a day, how much does he earn?

$$300 \div 50 = 6 \text{ GROUPS}$$

$$6 \times 15 = \$90.00$$

b) A different person can sew 430 zippers a day. Find her weekly earnings. (5 DAYS)

$$430 \div 50 = 8.6$$

$$15 \times 8.6 = 129.00 \text{ PER DAY}$$

$$129.00 \times 5 = 645.00$$


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$$430 \times 5 = 2150$$

$$2150 \div 50 = 43$$

$$43 \times 15.00 = 645.00$$

Ex 4 A warehouse pays its stockers \$18 for every 14 boxes <sup>GROUP</sup> stocked. If Brayden can stock 80 boxes a day, find his gross earnings for the week? (=DA=)

$$80 \times 5 = 400$$

$$400 \div 14 = 28.57$$

$$\underline{28.57 \times 18 = \$514.29}$$

$$80 \div 14 = 5.7 \quad 5.7 \times \$1800 = \$102.78$$

$102.78 \times 5 = \$513.90$

Ex 5 You are paid \$0.09 a flyer to deliver.

a) To earn \$10, how many homes would you have to deliver to?

$$\$10.00 \div .09 = \boxed{111} \text{ } 111111111$$

Do Assignment - Piecework

## **Contracts**

- *a fixed amount paid for a job done.*
- *the amount of the contract is usually based on an hourly wage and materials.*

Ex 1) Mark is a house painter who charges \$30/hr and \$50 per gallon of paint. If he writes up a contract for 40 hrs and 6 gallons of paint, what does he earn or charge the customer?

Ex 2) Mohammed is a house painter who charges \$30/hr and \$55 a gallon of paint. If he writes up a contract for 35 hrs and 6 gallons of paint, what does he earn or charge the customer?