

Using Letters as Numbers

Name: _____ Score: _____

Write expressions for each of the following sentences.

- 1) Peter has 100 dollars. His mother gives him x dollars more.
How many dollars does he have now?

- 2) Maria has c boxes of 10 pencils. The teacher gives her another 20 pencils. How many pencils does she have altogether?

- 3) John bought z hamburgers at \$3 each and paid with a 20 dollar note. How much change did he get?

- 4) I have 200 marbles and divide them among t girls.
How many marbles will each girl get?

- 5) Peter is x years old. His dad is 4 times older than him.
How old is his dad?

- 6) John earns x dollars per hour. Petra earn 2 dollars per hour more than him. How much do they earn altogether per hour?

- 7) I have 3 boxes of x paperclips. If I use 100 paperclips, how many of them will I have left?

- 8) Indy has x erasers and y pencils. How many erasers and pencils does Indy have?

Answers

Write expressions for each of the following sentences.

- 1) Peter has 100 dollars. His mother gives him x dollars more. How many dollars does he have now?

$$100 + x$$

- 2) Maria has c boxes of 10 pencils. The teacher gives her another 20 pencils. How many pencils does she have altogether?

$$10c + 20$$

- 3) John bought z hamburgers at \$3 each and paid with a 20 dollar note. How much change did he get?

$$20 - 3z$$

- 4) I have 200 marbles and divide them among t girls. How many marbles will each girl get?

$$200 \div t$$

- 5) Peter is x years old. His dad is 4 times older than him. How old is his dad?

$$4x$$

- 6) John earns x dollars per hour. Petra earn 2 dollars per hour more than him. How much do they earn altogether per hour?

$$x + (x + 2) = 2x + 2$$

- 7) I have 3 boxes of x paperclips. If I use 100 paperclips, how many of them will I have left?

$$3x - 100$$

- 8) Indy has x erasers and y pencils. How many erasers and pencils does Indy have?

$$x + y$$