Writing Expressions from Word Problems

Name: _____ Date: _____

Instructions: Read each word problem carefully and write an algebraic expression using the given variable. Do not solve the problems.

1. Sarah has *n* pencils. Her friend gives her 7 more pencils. Write an expression for the total number of pencils Sarah has now.

Expression: _____

2. A rectangle has a length of *m* metres. Its width is 5 metres less than its length. Write an expression for the width of the rectangle.

Expression: _____

3. Tom runs *k* kilometres each day. Write an expression for the total distance he runs in 6 days.

Expression: _____

4. A packet of biscuits costs *p* dollars. Write an expression for the cost of 4 packets of biscuits.

Expression: _____

5. Jessica has *x* stickers. She gives 12 stickers to her brother. Write an expression for the number of stickers Jessica has left.

Expression: _____

6. A number *y* is divided equally among 3 friends. Write an expression for how much each friend receives.

Expression: _____

7. The temperature in the morning was *t* degrees. By afternoon, it increased by 8 degrees. Write an expression for the afternoon temperature.

Expression: _____

8. A book has *b* pages. Lucy has read 25 pages. Write an expression for the number of pages she has left to read.

Expression: _____

9. James earns *w* dollars per hour. Write an expression for how much he earns in 5 hours.

Expression: _____

10. A pizza is cut into *s* slices. If 4 slices are eaten, write an expression for the number of slices remaining.

Expression: _____