Year 4 Algebraic Techniques Worksheet

1. Write an expression for 399 less than *w*.

2. Write an expression for *m* reduced by 337.

3. Write an expression for 306 reduced by *k*.

4. Alen has *r* red peppers and 40 green peppers. Choose the expression that shows how many peppers Erin has.

A. r
B. 40 – r
C. r + 40
D. 40

5. Julia has *r* more rubber bands than Lissa. Lissa has 8 rubber bands. Choose the expression that shows how many rubber bands Julia has.

A. 8
B. r – 8
C. 8 – r
D. 8 + r

6. Aleena ate *g* out of 66 gumdrops. Choose the expression that shows how many gumdrops Aleena has left.

A. 66 – g
B. 66
C. g + 66
D. g – 66

7. Michael planted t fewer trees than Alefia. Alefia planted 78 trees. Choose the expression that shows how many trees Michael planted.

A. t
B. 78 + t
C. t + 78
D. 78 – t

8. Monty bought a bag of 21 sour candies. He ate s of the candies. Choose the expression that shows how many sour candies Monty has now.

A. s
B. s – 21
C. 21 – s
D. s + 21

9. Find the value of the expression

m ÷ 2 for m = 6.

A. 6
B. 8
C. 4
D. 3

10. Find the value of the expression

d – 9 for d = 15.

A. 4
B. 6
C. 5
D. 1

11. Find the value of the expression

$10 - t$ for $t = 2$.

A. 11
B. 5
C. 8
D. 9

12. Allen found 5 pretty round stones near a lake. Katrina found some round stones as well. When they put all of their round stones together, Allen and Katrina had 22 round stones. Which equation, when solved, will show how many round stones Katrina found?

A. $5 + 22 = a$
B. $5 + a = 22$
C. $a - 22 = 5$
D. $5 + a = 22 + 17$

13. Roberto ordered 2 pizzas for a party. There were 40 slices of pizza in all. Which equation, when solved, will tell how many slices each pizza had?

A. $2 \times s = 40$
B. $2 \div s = 40$
C. $2 - s = 40$
D. $2 \times s = 20$

14. Russell took some almonds from a bowl. He ate 3 of them and had 18 almonds left. Which equation, when solved, will tell how many almonds Russell took from the bowl?

A. $18 - 3 = a$
B. $a - 3 = 18$
C. $a + 3 = 18$
D. $a \div 3 = 18$

