

Lesson 14

09/30

Evaluation, Solve by Inspection

→ Substitution

→ mental math

$4s = 4$ "times" a number s
↓
Constant/Coefficient
→ variable

$P = 2l + 2w$ formula for perimeter of a rectangle

find P when l is 12 in and w is 8 in.

$$P = 2(12) + 2(8)$$
$$24 + 16$$
$$40 \text{ in}$$

for $ab - 2 = t$, find t
when a is 3 and b is 7.

$$(3)(7) - 2 = t$$

$$21 - 2 = t$$

$$19 = t$$

Solving by Inspection

$$5b = 20$$

$$b = 4$$

just. by $5(4) = 20$

If a taxi company charges a \$2 flat fee plus \$3 per mile, then the cost (c) in \$ is shown by

$$3m + 2 = c$$

If the cost is \$20, what was the length of the taxi ride?

$$3m + 2 = 20$$

$$3m = 18$$

$$m = 6 \text{ mi}$$

HW

Lesson 14: #1, 3-12, 15-21,

26-29