

Round Table Review
2-5

Do the following problems on your own paper. Then pass this paper to another person in your group and do the problems for another part of the review.

Write and solve an equation to solve each problem.

- 1) The sum of three consecutive integers is 162. Find the three integers.

$$\begin{aligned} n &= \text{1st int.} \\ n+1 &= \text{2nd int.} \\ n+2 &= \text{3rd int.} \end{aligned}$$

$$3n + 3 = 162$$

$$\begin{aligned} n &= 53 \\ n+1 &= 54 \\ n+2 &= 55 \end{aligned}$$

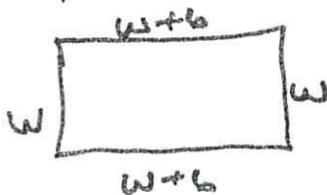
- 2) Yarra is thinking of two consecutive odd integers. The sum of the integers is 266. Find both integers.

$$\begin{aligned} n &= \text{1st odd int.} \\ n+2 &= \text{2nd odd int.} \end{aligned}$$

$$2n + 2 = 266$$

$$\begin{aligned} n &= 132 \\ n+2 &= 134 \end{aligned}$$

- 3) Jehna has a rectangular area fenced in for her dog. The length of a rectangle is 6 inches longer than its width. Find the length and width of the rectangle if the perimeter is 32 inches.



$$\begin{aligned} w &= \text{width} \\ w+6 &= \text{length} \end{aligned}$$

$$2(w+6) + 2w = 32$$

$$4w = 20$$

$$\begin{aligned} w &= 5 \\ w+6 &= 11 \end{aligned}$$

Round Table Review
2-4

Do the following problems on your own paper. Then pass this paper to another person in your group and do the problems for another part of the review.

Solve and check each equation. Write one solution, no solution, or identity (infinite number of solutions).

NO SOL.

$$\begin{aligned} 1) \quad 18x - 5 &= 3(6x - 2) \\ 18x - 5 &= 18x - 6 \end{aligned}$$

$$2) \quad 6k = 4(k + 5)$$

$$\begin{aligned} 6k &= 4k + 20 \\ 2k &= 20 \\ k &= 10 \end{aligned}$$

$$3) \quad 3(j - 4) = 3j - 12$$

Identity
(Inf. # of sol.)

- 4) Victoria is trying to choose a health club. Sam's Club charges \$35 to sign up and \$12 per month. Nor's Club charges \$50 to sign up and \$9 per month. If Victoria is planning to use the club for 8 months, which one should she choose?

M = # of months

Sam's Club

Nor's Club

$$35 + 12m = 50 + 9m$$

$$3m = 15$$

$$m = 5 \text{ mos.}$$

Victoria should choose Nor's Club since it's less per month