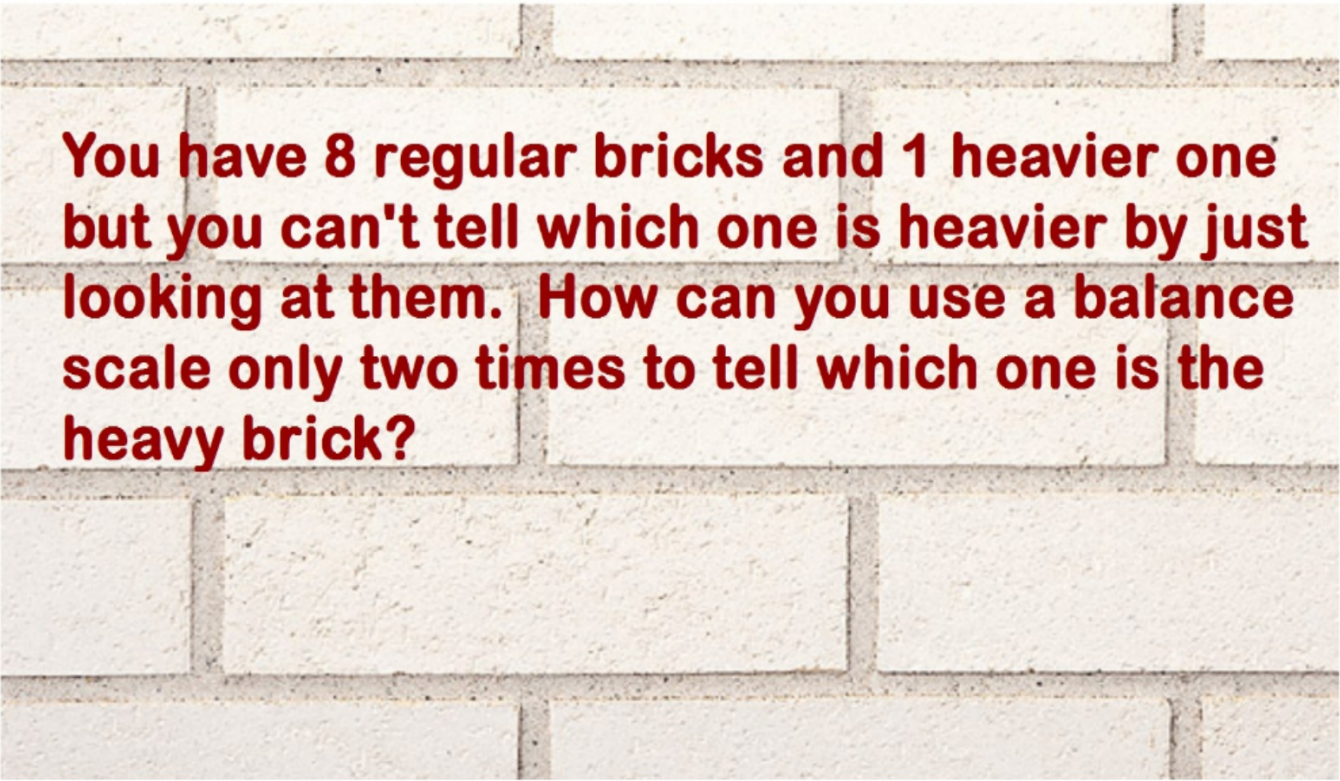


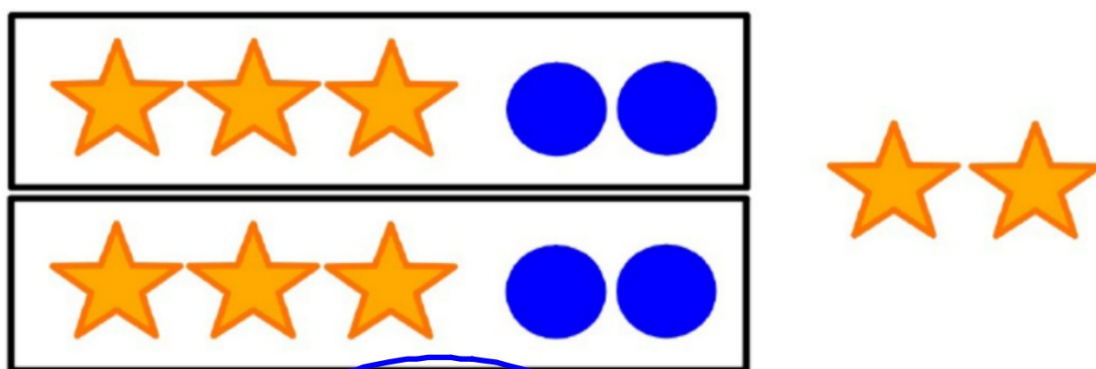
NOVEMBER 19, 2014 ^{1ST} ^{2ND}

STARTER



You have 8 regular bricks and 1 heavier one but you can't tell which one is heavier by just looking at them. How can you use a balance scale only two times to tell which one is the heavy brick?

11/19 Distribution with LIKE terms



$$\begin{aligned} & 2(3s + 2c) + 2s \\ &= 6s + 4c + 2s \\ &= 8s + 4c \end{aligned}$$



$$\begin{aligned} &= 3(2c + x) + 2x \\ &= 6c + 3x + 2x \\ &= 6c + 5x \end{aligned}$$

DISTRIBUTE THEN ADD LIKE TERMS!

$$\begin{aligned} & 5(4n-3)+5 \\ = & 20n-15+5 \\ = & 20n-10 \end{aligned}$$

$$\begin{aligned} & 4(2k+3)-3k \\ = & 8k+12-3k \\ = & 5k+12 \end{aligned}$$

$$3c - (10 - 2c)$$
$$= +3c - 10 + 2c$$
$$= 5c - 10$$

$$\begin{aligned} & -0.3(1.5d - 2.7) + 7.6 \\ = & -0.45d + \underbrace{0.81} + \underbrace{7.6} \\ = & -0.45d + 8.41 \end{aligned}$$

$$\begin{array}{r} 1 \\ 1.5 \\ 0.3 \\ \hline .45 \end{array}$$

$$\begin{array}{r} 2 \\ 2.7 \\ 0.3 \\ \hline .81 \end{array}$$

$$\begin{array}{r} 7.60 \\ 0.81 \\ \hline 8.41 \end{array}$$

HOMWORK

DUE