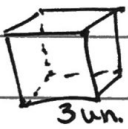


# D/L Skills Review Week of 4/27

## Answers

① Adult shirts:  $\begin{array}{r} \$36.95 \\ \times 2 \\ \hline \$73.90 \end{array}$  Youth shirts:  $\begin{array}{r} \$23.95 \\ \times 5 \\ \hline \$119.75 \end{array}$

$\begin{array}{r} \$73.90 \\ + \$119.75 \\ \hline \$193.65 \end{array}$

② cube   $V = L \times W \times H$  or  $S \cdot S \cdot S$

$= 3 \cdot 3 \cdot 3$   
 $= 27$   
 $27 \text{ in}^3$

★ 27

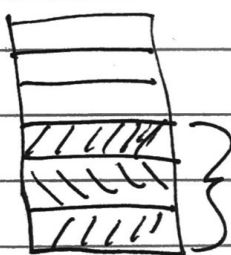
③  $0.5 \text{ L} \times 15 = \underline{\hspace{2cm}} \text{ mL}$

★  $\begin{array}{r} 7500 \text{ mL} \\ \times 15 \\ \hline 37500 \\ + 75000 \\ \hline 112500 \end{array}$

$7.5 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

$7.5 \text{ L} = 7500 \text{ mL}$

④  $\frac{1}{2} \div 3 = \frac{1}{6}$



$\frac{3}{6}$  or  $\frac{1}{2}$  is remaining

$\frac{1}{2}$  is shared by 3 friends

$\frac{1}{2} \div 3 \rightarrow \frac{1}{2} \div \frac{3}{1} = \frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

⑤  $4.003 > 4.03$  is NOT true

$\begin{array}{r} 4.003 \\ 4.03 \\ \hline \end{array}$

3 hundredths is  $>$  0 hundredths

⑥ The pattern is additive because the y-values are 6 more than the x values

| x  | y  |
|----|----|
| 12 | 18 |
| 24 | 30 |
| 48 | 54 |
| 60 | 66 |

⑦ over x, up y so  
★ 2nd graph

⑧ ★ 41.5

$$\begin{array}{r}
 60 \rightarrow 59 \frac{1}{2} \\
 - 18 \frac{1}{2} \rightarrow - 18 \frac{1}{2} \quad \text{or} \quad - 18.5 \\
 \hline
 41 \frac{1}{2} \\
 41.5
 \end{array}$$

$\frac{1}{2} = .5$

⑨ ★ 9.65

$$\begin{array}{l}
 [2(3.50 - .80) + 4.85 + 2.40] - 3.00 \\
 [2(2.70) + 4.85 + 2.40] - 3.00 \\
 [5.40 + 4.85 + 2.40] - 3.00 \\
 [10.25 + 2.40] - 3.00 \\
 12.65 - 3.00 \\
 \hline
 9.65
 \end{array}$$

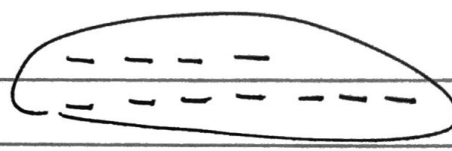
|                                                                        |                                                                         |                                                                        |
|------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------|
| $  \begin{array}{r}  3.50 \\  - .80 \\  \hline  2.70  \end{array}  $   | $  \begin{array}{r}  2.70 \\  \times 2 \\  \hline  5.40  \end{array}  $ |                                                                        |
| $  \begin{array}{r}  5.40 \\  + 4.85 \\  \hline  10.25  \end{array}  $ | $  \begin{array}{r}  10.25 \\  + 2.40 \\  \hline  12.65  \end{array}  $ | $  \begin{array}{r}  12.65 \\  - 3.00 \\  \hline  9.65  \end{array}  $ |

⑩ The 1st table does not represent  $y = x + 4.5$

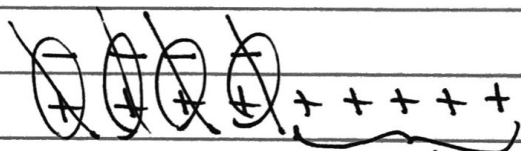
| x | y    |
|---|------|
| 4 | 18.0 |

$x = 4$   
 so  $y = x + 4.5$   
 $= 4 + 4.5$   
 $= 8.5$

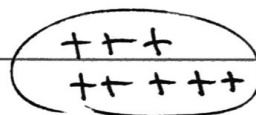
⑪  $-4 + -7 = \boxed{-11}$

 11 negative signs

⑫  $-4 + 9 = \boxed{5}$

 5 positive signs

⑬  $3 + 5 = \boxed{8}$

 8 positive signs

⑭

|       |   |                 |
|-------|---|-----------------|
| 5.432 | → | <u>rational</u> |
| 0     | → | <u>whole</u>    |
| -7    | → | <u>integer</u>  |
| 6     | → | <u>counting</u> |

⑮ False → imaginary numbers are not real numbers