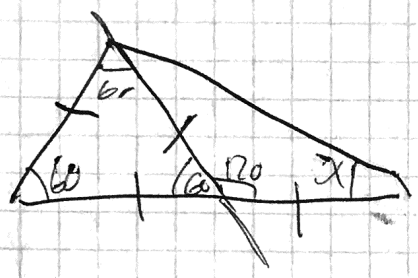
1. $10.1075 + 7.360 = 17.455$ (E)

2. 

(A)

3. $2x - 4y = -2$ $\quad 3x - 2y = 3$ $\quad 2y + x =$

$x = \frac{-2 + 4y}{2}$ $\quad \frac{3}{2}(-2 + 4y) - 2y = 3$

$-3 + 6y - 2y = 3$

$4y = 6$

$y = \frac{6}{4}$

$3x - 2 \cdot \frac{6}{4} = 3$

$3x - 3 = 3$

$x = 2$

(D)

$2\ 6/4 + 2 = \frac{12}{4} + \frac{8}{4} = \frac{20}{4}$

$= 5$

4. 20% of R = T

80% of R 20% = T

$\frac{80}{5} = \frac{16}{5}$

$\frac{\$16}{80}$

(C)

$4\overline{)300}$ → 7, 28, 20

5. 5 - 2 cans

0.75 each

6% tax

2 → 1.05
1 → 0.75
1 → .
1 → .
1 → .

0.75 × 4 = 3.00

8 × 1.06

1.06 × 8 = 8.48

(C)

6. $\frac{3m}{2n} = 0.125$

$\frac{3m}{0.125} = 24$

$\frac{3m}{0.25}$

$\frac{3}{1} \times \frac{4}{4} = 12m$

(E)

25 Avg 1200

< 470

10 < 100

7

$$\frac{4200 + 14000 + x}{25} = 1200$$

$$\frac{18200}{25} + \frac{x}{25} = 1200$$

$$\begin{array}{r} 728 \\ 25\overline{)18200} \\ -175 \\ \hline 70 \\ -50 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 1200 \\ -728 \\ \hline 472 \end{array}$$

472

$$\begin{array}{r} 472 \\ \times\ 25 \\ \hline 2360 \\ 9440 \\ \hline 3800 \end{array}$$

8. (A)

9. 0.128 m/s $d = vt$

$\frac{25000}{0.128}$ $\frac{d}{v}$

$128 \overline{)25000}$ = 19

128

1220

1152

680

$128 \times 9 = 1152$

$128 \times 5 = 640$

0.128×195

195

× 640

1152

12800

247,60

$\frac{25}{0.128}$

$\frac{25}{128}$

100

128

204

504

× 5000

25600

26104

B

10.

11 6

$63 = \text{Avg} \times n$

$n = 6x - 6$

$n = x - 7$

$n = 7$

$6 - 13$ $\quad \frac{6+13}{2}$ $\quad \frac{19}{2} = 9.5$

9.5
-7
$\overline{2.5}$

10.5
-8

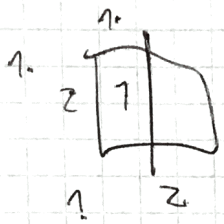
$n = 8$

15

$\frac{6+15}{2}$ $\quad \frac{21}{2}$

8

12.



$\frac{2}{8}$ $\frac{1}{4}$

D

13. $A = 4/3 B$ $d = vt$

$A = 2B$ $\frac{d}{v}$

A $\frac{4}{6}$ $\frac{2}{3}$

D

14

E

15 2 05

n→2 n→5

T→50

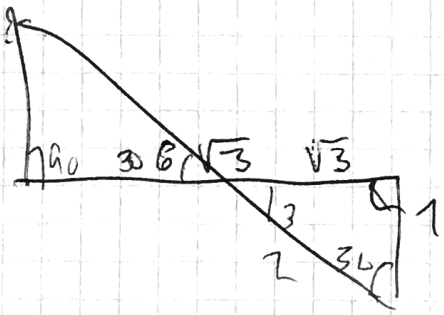
10 20 6

1

20 2

5 10 8

Ue.



x

6√3