

49-52 → A ☺

44-48 → B ☹

38-43 → C ☹

34-37 → D ☹

33 ↓ → F ☹

52*.84	48.36
52*.72	43.68
52*.64	37.44
■	33.28

$$10 \sqrt{x^2} = 63$$

$$x = \pm \sqrt{9} \cdot \sqrt{7}$$

$$x = \pm 3\sqrt{7}$$

$$16. \sqrt{60} = \sqrt{4} \cdot \sqrt{15} \quad 1$$
$$= \underline{\underline{2\sqrt{15}}}$$

21. $\frac{\sqrt{45}}{9} = \frac{\sqrt{9 \cdot 5}}{9}$ 22. 4

$$= \frac{\cancel{3} \sqrt{5}}{\cancel{9} 3} = \frac{\sqrt{5}}{\underline{\underline{3}}}$$

26. $\frac{\sqrt{36}}{\sqrt{5}} = \frac{\sqrt{36}}{\sqrt{5}} = \frac{6\sqrt{5}}{\sqrt{5}\sqrt{5}}$

$= \frac{6\sqrt{5}}{5}$

ator.

$$\begin{aligned} 20. \quad \frac{1}{3} \sqrt{12} &= \frac{1}{3} \sqrt{4 \cdot 3} \\ &= \frac{1}{3} \cdot 2 \cdot \sqrt{3} \\ &= \frac{2}{3} \sqrt{3} \text{ or } \frac{2\sqrt{3}}{3} \end{aligned}$$

24. $\sqrt{\frac{32}{4}} \sqrt{8}$

$$= \sqrt{4} \cdot \sqrt{2}$$

$$= 2\sqrt{2}$$

Bonus: Approximate the radical to

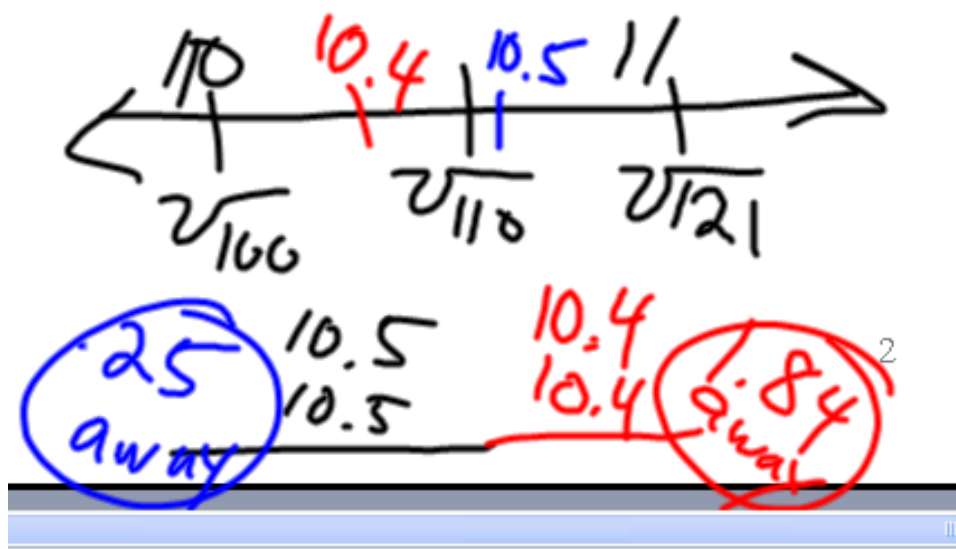
$$\begin{aligned}\therefore \frac{1}{5}\sqrt{15} &= \frac{1}{5}\sqrt{25 \cdot 3} \\ &= \frac{1}{5} \cdot 5 \sqrt{3} \\ &= \underline{\underline{\sqrt{3}}}\end{aligned}$$

$$\begin{aligned} 19. \quad 2\sqrt{120} &= \\ &= 2\sqrt{4} \cdot \sqrt{30} \\ &= \underline{2 \cdot 2} \sqrt{30} \\ &= \underline{4\sqrt{30}} \end{aligned}$$

$$\begin{aligned} 22. \quad & \sqrt{\frac{5}{20}} = \sqrt{\frac{1}{4}} \\ & = \frac{\sqrt{1}}{\sqrt{4}} = \frac{1}{\underline{\underline{2}}} \end{aligned}$$

Bonus: Approximate the radical to the nearest tenth with
Remember to show all eight steps.

$$\sqrt{110}$$



O.T.L.

① Finish the Quiz Car.

② Pg 553-554 : 1-12
all

Both
Due
Start at the
Thurs.

- Write the original
- Show ALL work
- Box Answers
- Skip a Space

$$\begin{aligned} 25. \sqrt{\frac{2}{3}} &= \frac{\sqrt{2} \cdot \sqrt{3}}{\sqrt{3} \cdot \sqrt{3}} \\ &= \frac{\sqrt{6}}{3} \end{aligned}$$

$$\begin{aligned} 11. \quad & \frac{-8x^2}{-8} = \frac{-48}{-8} \\ & \sqrt{x^2} = \pm \sqrt{6} \\ & \underline{\underline{x = \pm \sqrt{6}}} \end{aligned}$$

2. $12x^2 = -120$

13. $4x^2$

$\frac{12}{12} \frac{-120}{12}$
 $\sqrt{x^2} = \sqrt{-10}$

No Solution