

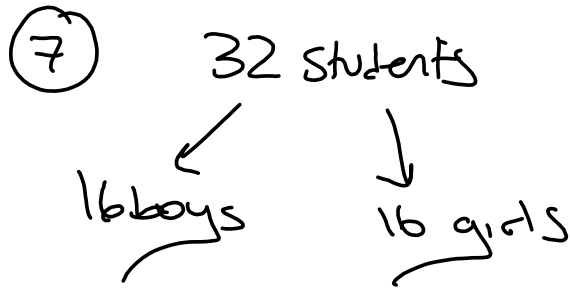
1/23

Homework Review

p 91

⑥

$$\begin{aligned} 4\frac{1}{2} \times \frac{1}{3} &\stackrel{\text{or}}{=} 4\frac{1}{2} \div 3 \\ &= \frac{4 \cdot 2 + 1}{2} \times \frac{1}{3} \\ &= \frac{\cancel{3}^{\div 3} \cdot 2 + 1}{2} \times \frac{1}{\cancel{3}_{\div 3}} \\ &= \frac{3}{2} \times \frac{1}{1} \\ &= \frac{3}{2} \\ &= 1\frac{1}{2} \end{aligned}$$



a $\frac{1}{4}$ of 32

↓
x

$$= \frac{\cancel{32}^{\div 4}}{1} \times \frac{1}{\cancel{4}^{\div 4}}$$

$$= \frac{8}{1} \times \frac{1}{1}$$

$$= 8$$

b $\frac{3}{8}$ of boys (16)

$$= \frac{\cancel{16}^{\div 8}}{1} \times \frac{3}{\cancel{8}^{\div 8}}$$

$$= \frac{2}{1} \times \frac{3}{1}$$

$$= 2 \times 3$$

$$= 6$$

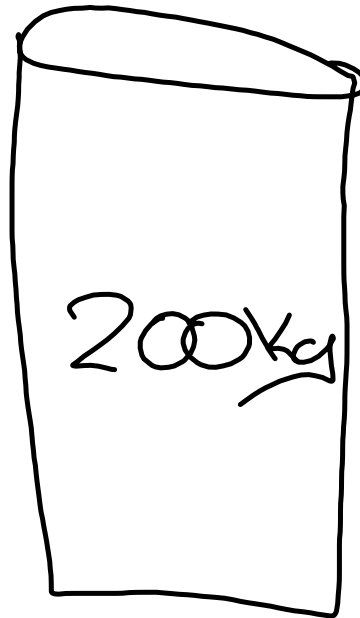
c $\frac{1}{2}$ of girls (16)

$$= \frac{\cancel{16}^{\div 2}}{1} \times \frac{1}{\cancel{2}^{\div 2}}$$

$$= \frac{8}{1} \times \frac{1}{1}$$

$$= 8$$

$$\textcircled{8} \quad 2\frac{1}{2} \text{ Kg}$$



$$\frac{200}{1} \div 2\frac{1}{2}$$

$$= \frac{200}{1} \div \frac{2 \cdot 2 + 1}{2}$$

$$= \frac{200}{1} \div \frac{5}{2}$$

$$= \frac{\cancel{200}^{40 \times 5}}{1} \times \frac{2}{\cancel{5 \div 5}}$$

$$= \frac{40}{1} \times \frac{2}{1}$$

$$= 40 \times 2$$

$$= 80 \text{ baskets}$$

Nov. 23rdExponent & Square Roots
in Fractions

$$\text{ex\#1} \quad \left(\frac{1}{3}\right)^2 = \frac{1^2}{3^2} = \frac{1}{9}$$

$$\text{ex\#2} \quad \frac{2^2}{3} = \frac{4}{3} = 1\frac{1}{3}$$

$$\text{ex\#3} \quad \left(\frac{2}{3}\right)^2 = \frac{2^2}{3^2} = \frac{4}{9}$$

$$\begin{aligned} \text{ex\#4} \quad \underline{9=9} & \left(\frac{1}{9} + \frac{2 \times 3}{3 \times 3}\right)^2 \\ & = \left(\frac{1}{9} + \frac{6}{9}\right)^2 \\ & = \left(\frac{1+6}{9}\right)^2 \\ & = \left(\frac{7}{9}\right)^2 \\ & = \frac{7^2}{9^2} \\ & = \frac{49}{81} \end{aligned}$$

$$\begin{aligned} \underline{\text{ex \#5}} & \quad \sqrt{\left(\frac{9}{16}\right)} \quad \text{or} \quad \sqrt{\frac{9}{16}} \\ & = \frac{\sqrt{9}}{\sqrt{16}} \\ & = \frac{3}{4} \end{aligned}$$

$$\text{ex 46} \quad \frac{\sqrt{9}}{\sqrt{25}} = \frac{3}{25}$$

$$\underline{\text{ex \#7}} \quad \frac{9}{\sqrt{25}} = \frac{9}{5} = 1\frac{4}{5}$$

$$\underline{\text{ex \#8}} \quad \sqrt{\left(\frac{4 \times 2}{2 \times 2} + \frac{17}{4}\right)} \quad \text{CD } 8 \text{ or } 4$$

$$= \sqrt{\left(\frac{8+17}{4}\right)}$$

$$= \sqrt{\left(\frac{25}{4}\right)}$$

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

PT 4 #1-10

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