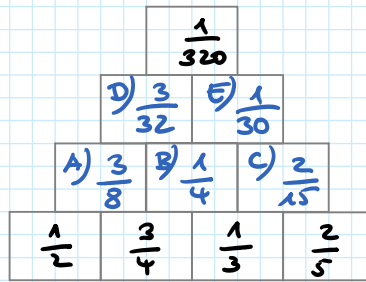


S. 80 | 17a



$$A: \frac{1}{2} \cdot \frac{3}{4} = \frac{3}{8}$$

$$B: \frac{3}{4} \cdot \frac{1}{3} = \frac{1}{4}$$

$$C: \frac{1}{3} \cdot \frac{2}{5} = \frac{2}{15}$$

$$D: \frac{3}{8} \cdot \frac{1}{4} = \frac{3}{32}$$

$$E: \frac{1}{4} \cdot \frac{2}{15} = \frac{1}{30}$$

$$\text{Probe: } \frac{3}{32} \cdot \frac{1}{30} = \frac{3 \cdot 1}{32 \cdot 30} = \frac{1}{32 \cdot 10} = \frac{1}{320}$$

S. 81 | 20a,

$$\begin{aligned} & 2 \frac{1}{2} \cdot \left(-1 \frac{4}{5}\right) \cdot \frac{2}{3} = \\ & = \frac{5}{2} \cdot \left(-\frac{9}{5}\right) \cdot \frac{2}{3} = \\ & = - \frac{\overset{5}{\cancel{5}} \cdot \overset{2}{\cancel{2}}}{\underset{\cancel{2}}{2} \cdot \underset{\cancel{5}}{5} \cdot \underset{\cancel{3}}{3}} = \text{mit 5, mit 3 und mit 2 kürzen} \\ & = - \frac{1 \cdot 3 \cdot 1}{1 \cdot 1 \cdot 1} = \underline{\underline{-3}} \end{aligned}$$

$$\begin{aligned} c) & 3 \frac{1}{3} \cdot 4 \frac{1}{5} \cdot 3 \frac{1}{8} = \\ & = \frac{10}{3} \cdot \frac{21}{5} \cdot \frac{25}{8} = \\ & = \frac{\overset{10}{\cancel{10}} \cdot \overset{21}{\cancel{21}} \cdot \overset{25}{\cancel{25}}}{\underset{\cancel{3}}{3} \cdot \underset{\cancel{5}}{5} \cdot \underset{\cancel{8}}{8}} = \text{mit 5 und mit 3 kürzen} \\ & = \frac{\overset{2}{\cancel{2}} \cdot 7 \cdot \overset{25}{\cancel{25}}}{1 \cdot 1 \cdot \underset{\cancel{8}}{8}} = \text{mit 2 kürzen} \\ & = \frac{1 \cdot 7 \cdot 25}{1 \cdot 1 \cdot 4} = \underline{\underline{\frac{175}{4} = 43 \frac{3}{4}}} \end{aligned}$$

$$\begin{aligned} f) & 1 \frac{13}{44} \cdot \frac{4}{15} \cdot 2 \frac{17}{19} = \\ & = \frac{\overset{57}{\cancel{57}} \cdot \overset{4}{\cancel{4}} \cdot \overset{55}{\cancel{55}}}{\underset{\cancel{44}}{44} \cdot \underset{\cancel{15}}{15} \cdot \underset{\cancel{19}}{19}} = \text{mit 19, mit 4 und mit 5 kürzen} \end{aligned}$$

$$= \frac{\overset{\checkmark}{57} \cdot \overset{\checkmark}{4} \cdot \overset{\checkmark}{55}}{\underset{\checkmark}{44} \cdot \underset{\checkmark}{15} \cdot \underset{\checkmark}{19}} = \begin{array}{l} \text{mit 19, mit 4 und} \\ \text{mit 5 kürzen} \end{array}$$

$$= \frac{\overset{\checkmark}{3} \cdot \overset{\checkmark}{1} \cdot \overset{\checkmark}{11}}{\underset{\checkmark}{11} \cdot \underset{\checkmark}{3} \cdot \underset{\checkmark}{1}} = \underline{\underline{1}} \quad \begin{array}{l} \text{mit 3 und mit} \\ \text{11 kürzen} \end{array}$$

S. 81 / 22a) $\frac{3}{4} \cdot \square = \frac{3}{8}$

↑
 $\frac{1}{2}$

b) $\frac{2}{3} \cdot \square = -\frac{8}{9}$

$$2 \cdot 4 = 8$$

$$3 \cdot 3 = 9$$

$$\Rightarrow \square = \frac{\cancel{8}}{\cancel{9}} = -\frac{4}{3}$$

c) $\square \cdot \frac{5}{6} = 2 \frac{1}{12}$

$$\square \cdot \frac{5}{6} = \frac{25}{12}$$

$$5 \cdot 5 = 25$$

$$2 \cdot 6 = 12$$

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

d) $\square + \frac{5}{6} = \cancel{2 \frac{1}{6}} = 2 \frac{1}{12}$

$$\square = \cancel{2 \frac{1}{6}} - \frac{5}{6}$$

$$\square = \cancel{\frac{5}{2}} - \frac{5}{6}$$

$$\square = \cancel{\frac{15}{6}} - \frac{5}{6}$$

$$\square = \cancel{\frac{10}{6}}$$

$$\square = \frac{5}{3}$$

$$2 \frac{1}{12} - \frac{5}{6}$$

$$1 \frac{13}{12} - \frac{5}{6}$$

$$1 \frac{8}{12}$$

$$\underline{\underline{1 \frac{2}{3}}}$$