S. 175 / 12a

$\frac{1}{2}$ h - 21 min = 30 min - 21 min = 9 min

b) 8 h - 14 min = 480 min - 14 min =

= 466 min = 7 h 46 min

einfacher:

8 h - 14 min = 7 h + 60 min - 14 min

= 7 h 46 min

c) 10 h 30 min : 18 =

= (10 · 60 min + 30 min) : 18 =

= 630 min : 18 = 35 min

d) 4 h 23 min · 18 =

= (4 · 60 min + 23 min) · 18 =

= 263 min · 18

= 4734 min

= 78 h 54 min

NR: 263 · 18
_____
263
2104
_____
4734

4734 : 60 = 78 R 54
- 420
_____
534
- 480
_____
54

einfacher:

$4\,h\;23\,min \cdot 18 =$

$= (4\,h + 23\,min) \cdot 18 =$

$\overset{DG}{=} 4\,h \cdot 18 \;+ 23\,min \cdot 18 =$

$= \;72\,h \qquad + 414\,min =$

$= \;72\,h \;\; + 6\,h\;54\,min =$

$= \;78\,h\;54\,min$

NR: $23 \cdot 18$

$$\begin{array}{r} 23 \\ 18\;4 \\ \hline 414 \end{array}$$

$$\begin{array}{l} 414 : 60 = 6 \;\; R\;54 \\ -360 \\ \hline 54 \end{array}$$

e) $3\,h - \dfrac{3}{4}\,h = 3\,h - 45\,min$

$\qquad\qquad = 2\,h + 60\,min - 45\,min$

$\qquad\qquad = 2\,h\;15\,min$

$\qquad\qquad = 2\dfrac{1}{4}\,h$