

1a Tað kostaði tilsamans:

$$95,5 + 2 \cdot 49,5 + 2 \cdot 35,5 + 47,5 = \underline{\underline{692,50 \text{ kr}}}$$

b Tey keyptu $\frac{47,5}{16,95} \cdot 100 = \underline{\underline{280,2\%}}$ blandað bomm

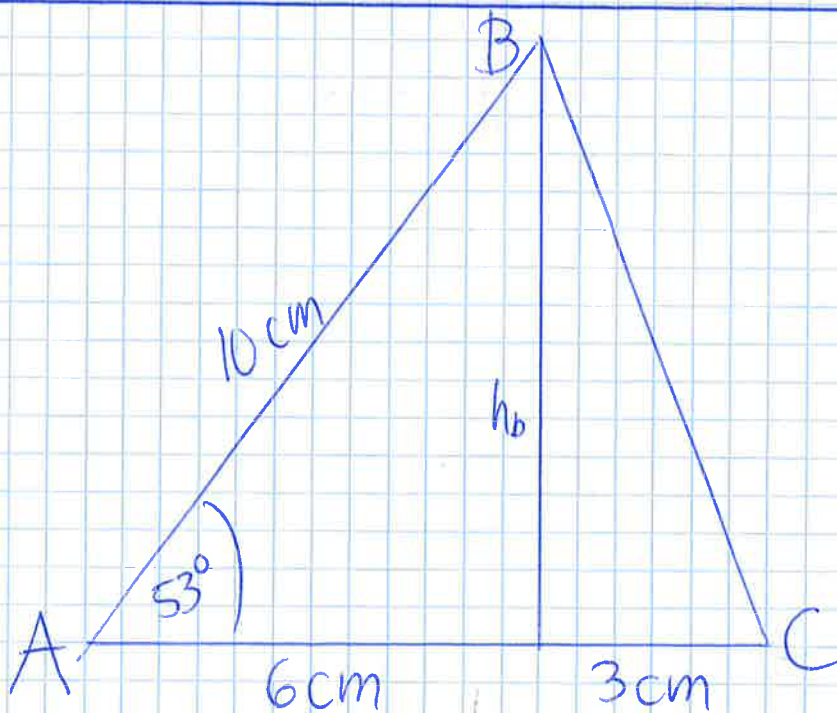
c Um tey keypa eina stóra sodavatn og eina sodavatn hvør sær kostar tað: $(29 + 26) \cdot 5 = \underline{\underline{475 \text{ kr}}}$

d Tað er $\frac{(29 + 26) - 49,5}{(29 + 26)} \cdot 100\% = \underline{\underline{10\%}}$ billigari

2a Tað er $\frac{289 \cdot 745,71}{100} = \underline{\underline{2155,1 \text{ kr}}}$

b IPaddurin kostaði $\frac{2485,6 \cdot 100}{1040} = \underline{\underline{239 \text{ GBP}}}$

3a



b Rokna h_b

$$a^2 + b^2 = c^2$$

$$h_b^2 + 6^2 = 10^2$$

$$h_b^2 = 10^2 - 6^2$$

$$h_b = \sqrt{100 - 36} = \sqrt{64}$$

$$\underline{\underline{h_b = 8 \text{ cm}}}$$

$$3c \quad V_{ABC} = \frac{1}{2} \cdot h \cdot g = \frac{1}{2} \cdot 8 \cdot (6+3) = \underline{\underline{36 \text{ cm}^2}}$$

$$3d \quad a^2 + b^2 = c^2$$

$$3^2 + 8^2 = (BC)^2$$

$$9 + 64 = (BC)^2$$

$$73 = (BC)^2$$

$$\sqrt{73} = BC$$

$$\underline{\underline{BC = 8,5 \text{ cm}}}$$

$$3e \quad \text{Máta vinkulin } C, \quad \underline{\underline{\angle C = 70^\circ}}$$

$$3f \quad \underline{\underline{\angle B = 180^\circ - (53^\circ + 70^\circ) = 57^\circ}}$$

4a Frá Tórshavnar til Vestmanna :

$$6:50 \sim 7:45 = \underline{\underline{55 \text{ min}}}$$

b Miðalferðin hjá bussinum er :

$$\frac{40 \text{ km} \cdot 60 \text{ min/t}}{55 \text{ min}} = \underline{\underline{43,6 \text{ km/t}}}$$

c Tað tekur Óluvu $\frac{28 \text{ km}}{67,2 \text{ km/t}} \cdot 60 \text{ min/t} = \underline{\underline{25 \text{ min}}}$
at koyra úr Tórshavn til Kvívíkar.

$$d \quad 10 \text{ min} = 10 \text{ min} : 60 \text{ min/t} = \frac{1}{6} \text{ t} = 0,16666667 \text{ t}$$

$$2 \text{ t} + 0,16666667 \text{ t} = 2,16666667 \text{ t}$$

$$s = v \cdot t = 20,3 \text{ km} \cdot 2,16666667 \text{ t} = \underline{\underline{44 \text{ km}}}$$

er strekki millum Gjógv og Kollafirði

5a)

$$5x - 7 = x + 9$$

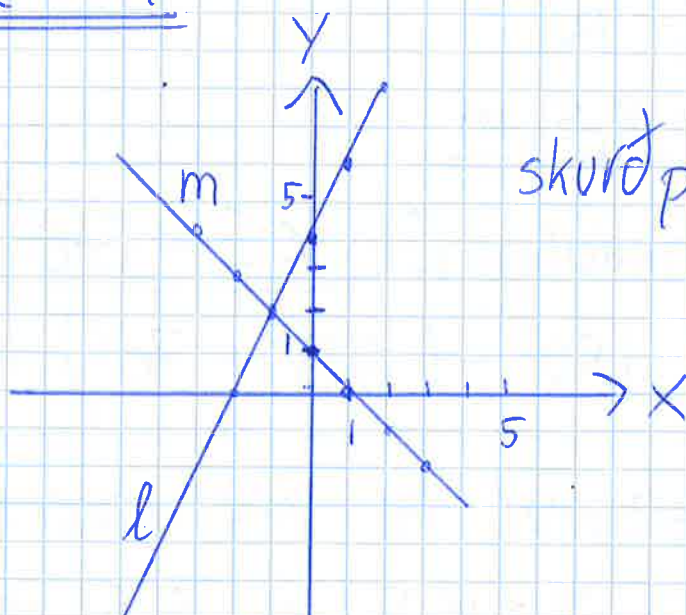
$$5x - x = 7 + 9$$

$$4x = 16$$

$$\frac{4x}{4} = \frac{16}{4}$$

$$\underline{\underline{x = 4}}$$

b)



skurdpunkt er

$$\underline{\underline{(-1, 2)}}$$

c)

$$2(x + 9) = 4x + 6$$

$$2x + 18 = 4x + 6$$

$$18 - 6 = 4x - 2x$$

$$12 = 2x$$

$$\frac{2x}{2} = \frac{12}{2}$$

$$\underline{\underline{x = 6}}$$

d)

$$4(x - 3) + (x - 4) - 2(x + 4) + 7$$

$$4x - 12 + x - 4 - 2x - 8 + 7 =$$

$$4x + x - 2x - 12 - 4 - 8 + 7 = \underline{\underline{3x - 17}}$$