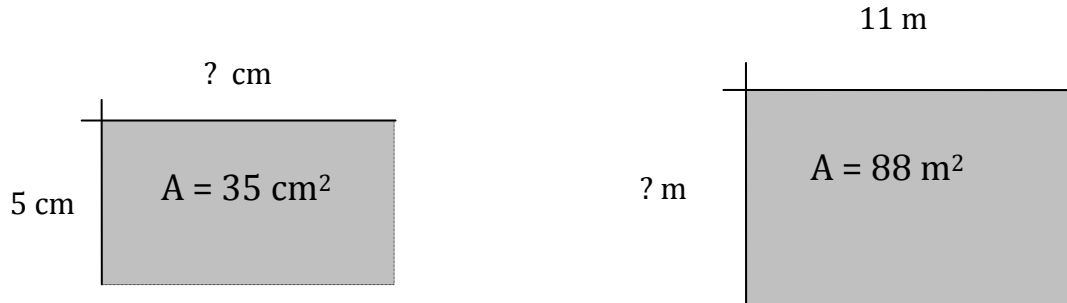


**Learning Goal:**

By the end of this lesson I should be able to EVALUATE division problems WITHOUT the use of a calculator (technology).

**Models:** (i) Area model, (ii) group subtraction, (iii) long division.

**Skills Practice:** Find the missing dimension for the following Area Models.



**Skills Practice:** Using a picture model or repetitive subtraction, answer the following:

- (a) How many groups of 4 are there inside a group of 20?
- (b) How many groups of 8 can be subtracted from a group of 32?

**Skills Practice:** Using the Group Subtraction method, divide the following.

(a)  $64 \div 4$

(b)  $75 \div 15$

(c)  $104 \div 2$

**Skills Practice:** Use Long Division to divide the following.

(a)  $2\overline{)76}$

(b)  $12\overline{)168}$

(c)  $6\overline{)84}$

**Skills Practice:** Use Long Division or Group Subtraction to divide the following and find the *remainder*.

(a)  $4\overline{)11}$

(b)  $12\overline{)50}$

(c)  $8\overline{)118}$

**Skills Practice:** Use Long Division or Group Subtraction to divide the following.

(a)  $1.5\overline{)16.5}$

(b)  $2.2\overline{)24.2}$

(c)  $9.2\overline{)29.7}$

**Skills Practice:** Divide the following, watch the sign (positive – negative) of the final answer.

(a)  $(-120) \div (4)$

(b)  $(-18) \div (-6)$

(c)  $(48.4) \div (-4)$