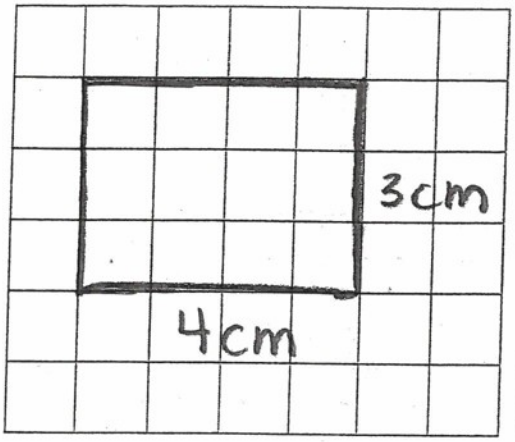
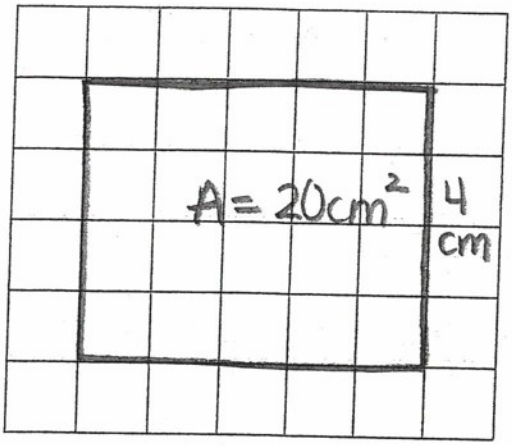
Gr. 4 Area + Angles Study Guide.

1) Area = base (b) x height (h) (p. 5-19)
or length (l) x width (w)

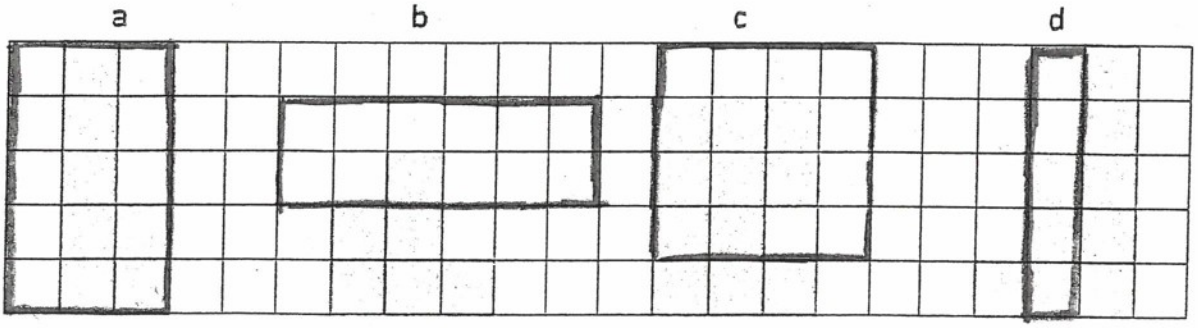


$A = b \times h$
$A = 4cm \times 3cm$
$A = 12cm^2$



$A = b \times h$
$20cm^2 = b \times 4cm$
$b = 5cm$
$20cm^2 = 5cm \times 4cm$

Each square covers an area of 1 square centimetre (1 cm^2). Record the area of each shape:

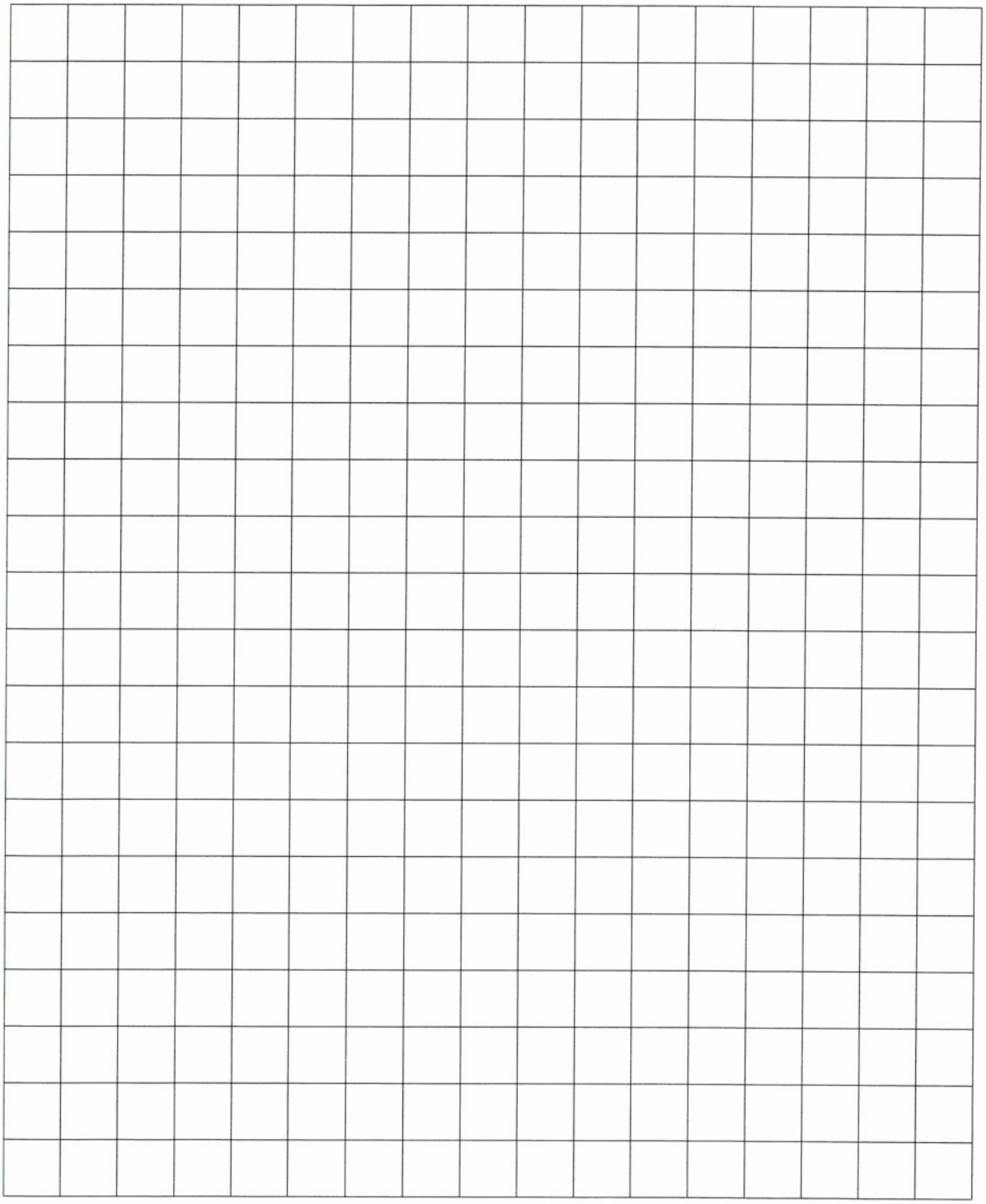


Area = ____ cm^2 Area = ____ cm^2 Area = ____ cm^2 Area = ____ cm^2

*use blank grid paper to practice drawing rectangles with a variety of areas.

1 cm Graph Paper

One line per centimeter. Black lines.



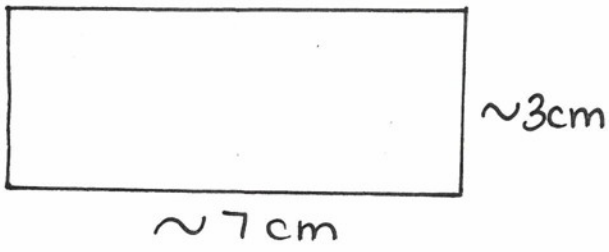
2) Referents for cm^2 (p. 14)

↳ estimate area for cm^2 with:

a) pinky fingernail

b) end of pencil / pencil eraser

$\sim$ = about

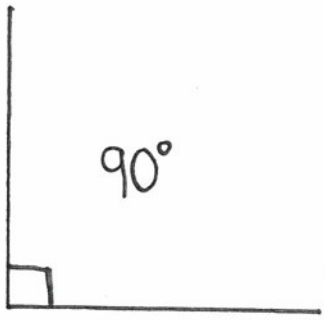


$A = b \times h$

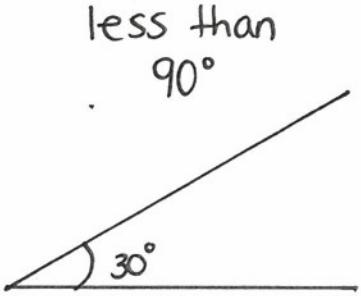
$A = \sim 7cm \times \sim 3cm$

$A = \sim 21\ cm^2$

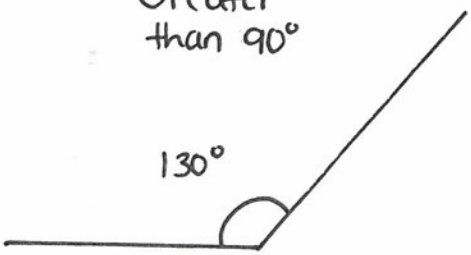
3) Measuring Angles (p. 20-25)



Right Angle



Acute



Obtuse

Step 1: What kind of angle is it?

Step 2: Measure with a protractor.

a) If it is acute pick the smaller #

b) If it is obtuse pick the larger #

4) Drawing Angles (p. 26-29)

↳ use protractor to construct angles at different degrees.