



1

Calculate:

a)  $999 + 1 =$

$199 + 1 =$

$79 + 1 =$

$629 + 1 =$

$1000 - 1 =$

$810 - 1 =$

$500 - 1 =$

$1991 - 1 =$

b)  $2000 + 400 + 30 + 1 =$

$7000 + 20 + 7 =$

$9000 + 30 + 3 =$

$1000 + 700 + 20 + 6 =$

c) Calculate the fastest way (rewrite the expression to show your way of calculation):

$(303 + 274) + 26 =$

$81 + (9 + 27) =$

$(437 + 92) - 37 =$

$(364 + 415) - 264 =$

d) Increase the numbers in 10 times: 60, 600, 15, 150, 435

\_\_\_\_\_

2

a) Determine order of operations and calculate:

$800 - 420 - 120 + 40 =$

$800 - (420 - 120) + 40$

$800 - 420 - (120 + 40)$

$800 - 120 + 8 \times 20 =$

b) Insert parentheses to make the equations correct:

$32 - 2 \times 6 + 3 = 183$

$32 - 2 \times 6 + 3 = 17$

$32 - 2 \times 6 + 3 = 23$

$32 - 2 \times 6 + 3 = 270$

3

a) Put all weights in order from the heaviest to the lightest:

2 kg, 1kg 900g, 250g, 25kg, 2,500g, 2kg 50g

\_\_\_\_\_

b) Put all lengths in order from the smallest to largest:

3m 3dm, 30dm, 333cm, 3dm 3cm, 303cm

\_\_\_\_\_



Report the time you spent: \_\_\_\_\_

**4**

Let's count angles.

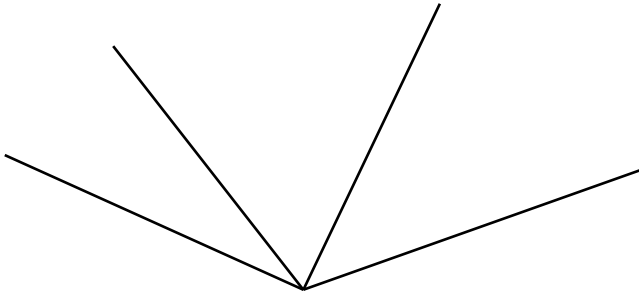
How many angles are on the sketch below? Name all angles using capital letters and

list all angles here: \_\_\_\_\_

list only obtuse angles here: \_\_\_\_\_

list only acute angles here: \_\_\_\_\_

If you are not sure, use the right angle template to confirm your answer:

**5**

What types of angles are formed by the hour hand and the minute hand on the clock face at the following times (right, obtuse, acute, straight) ?

a) 3 o'clock - angle \_\_\_\_\_

b) 4 o'clock - angle \_\_\_\_\_

c) half past 9 - angle \_\_\_\_\_

11 o'clock - angle \_\_\_\_\_

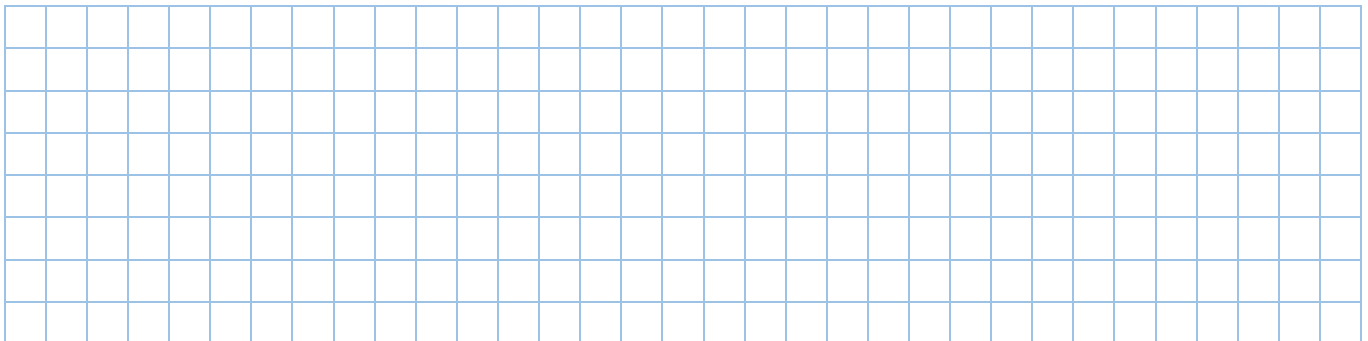
**6**

Using the squared piece of paper below, draw a rectangle with a length of 8 square segments and the width of 6 square segments.

Find the perimeter of the rectangle you draw.  $P =$  \_\_\_\_\_

With one straight line, divide the rectangle into two identical rectangles.

Find the perimeter of each smaller rectangle.

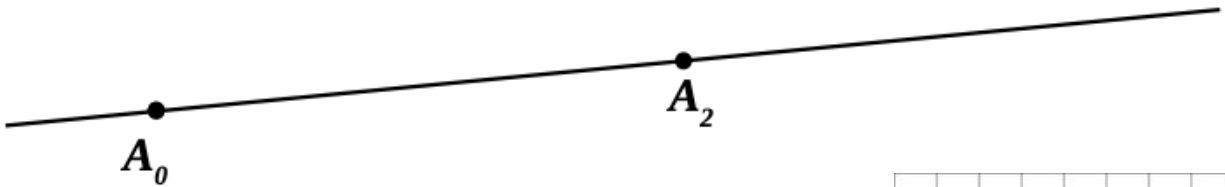
Consider two different cases.  $P_1 =$  \_\_\_\_\_ $P_2 =$  \_\_\_\_\_

7

Construct a line parallel to the line  $A_0A_2$  on the distance of 3cm away from line  $A_0A_2$ . Call it  $B_0B_2$

*Reminder:*

- 1 Use your protractor to draw a line that goes through  $A_0$  and is at  $90^\circ$  to the line  $A_0A_2$ .
2. Use a ruler and measure the distance of 3 cm from the point  $A_0$ . Label the point  $B_0$
3. Repeat the procedure for the point  $A_2$ .
4. Connect points  $B_0$  and  $B_2$  by a straight line.

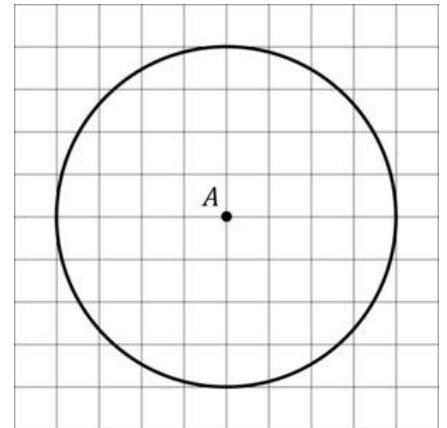


8

A circle with center  $A$  is drawn on 1cm grid paper as shown below.

What is the radius of the circle?

Draw another circle with a radius 2 times less than the radius of the circle on the picture.



9

*Reminder:* **Adjacent angles** share a side and a vertex.

**Complementary angles** have measures that add up to 90 degrees.

**Supplementary angles** have measures that add up to  $180^\circ$  degrees.

a) Find the pairs of supplementary angles and circle these pairs:

$15^\circ$  and  $165^\circ$

$30^\circ$  and  $155^\circ$

$45^\circ$  and  $125^\circ$

b) Find the pairs of complementary angles and circle these pairs:

$15^\circ$  and  $75^\circ$

$25^\circ$  and  $65^\circ$

$20^\circ$  and  $60^\circ$

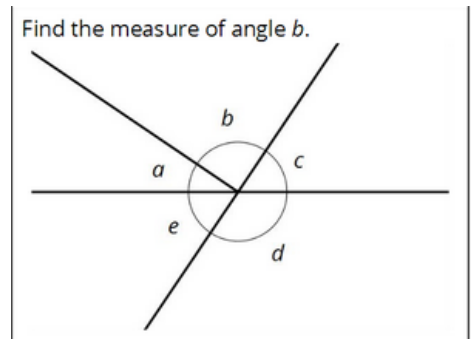
10

We know that:

- Angles  $a$  and  $c$  are complementary angles
- The measure of angle  $d = 124^\circ$
- The measure of angle  $c = 56^\circ$
- Angles  $c$  and  $e$  have equal measures.

Find: The measure of angle  $b$ .

Angle  $b =$



Use long multiplication to find answers to each of the following problems:

$45 \times 4 =$

A blank sheet of graph paper with a grid of squares. The grid consists of 20 columns and 10 rows of small squares, totaling 200 squares. The lines are light blue and form a uniform pattern across the page.

Use partial method to solve:

$123 \times 60 =$

[illegible]

The table below consists of 8 columns and 6 rows. Is it possible to place check mark symbols in such a way?

- a) to get 4 check marks in each row and 3 check marks in each column?  
b) to get 3 check marks in each row and 2 check marks in each column?