


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



Report the time you spent: _____

4

Let's count angles.

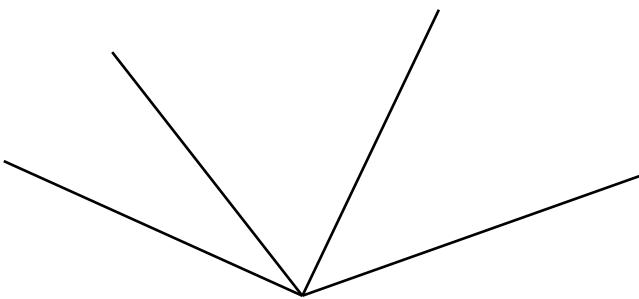
How many angles are on the sketch below? Name all angles using capital letters and

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 _____

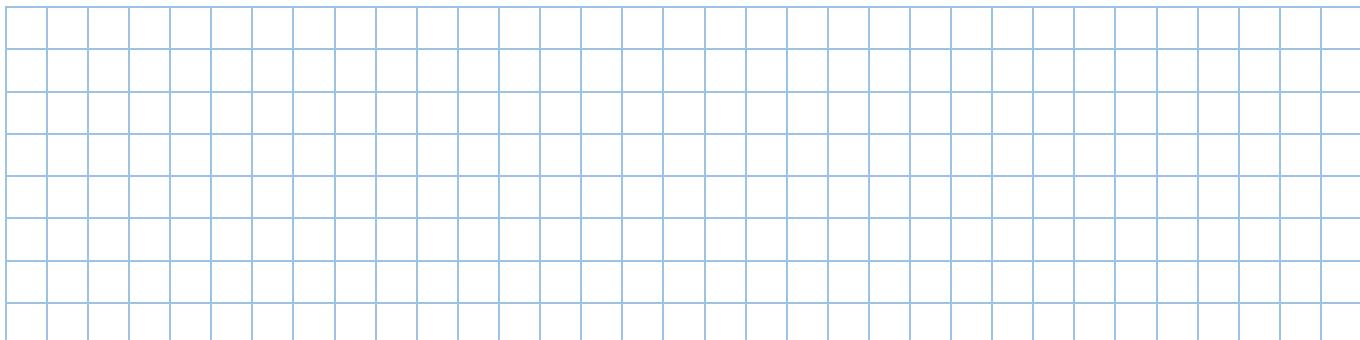
6

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:

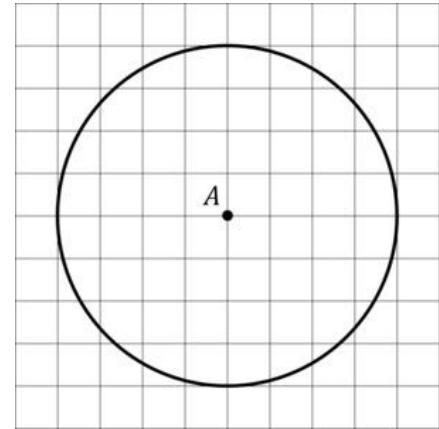
- 1 Use your protractor to draw a line that goes through A_0 and is at 90° to the line A_0A_2 .
2. Use a ruler and measure the distance of 3 cm from the point A_0 . Label the point B_0
3. Repeat the procedure for the point A_2 .
4. Connect points B_0 and B_2 by a straight line.



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° degrees.

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

$$15^\circ \text{ and } 165^\circ$$

$$30^\circ \text{ and } 155^\circ$$

$$45^\circ \text{ and } 125^\circ$$

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

$$15^\circ \text{ and } 75^\circ$$

$$25^\circ \text{ and } 65^\circ$$

$$20^\circ \text{ and } 60^\circ$$

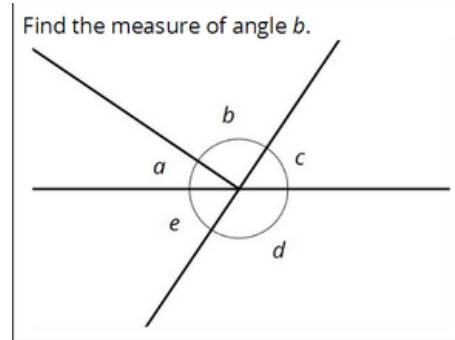
10

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 .

$$\text{Angle } b =$$



11

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

$$44 \times 7 =$$

$65 \times 3 =$

$45 \times 4 =$

12

Use partial method to solve:

$$123 \times 14 =$$

$$123 \times 45 =$$

$$123 \times 60 =$$

13

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?

A 10x10 grid of black lines on a white background, forming a pattern of 9x9 squares. The grid consists of 10 vertical lines and 10 horizontal lines, intersecting to create a total of 81 smaller squares.

A blank 8x8 grid for drawing, consisting of 64 equal-sized squares.