



**Calculate using the most optimal way:**

**1**

a)  $13 + 16 + 19 + 22 + 25 + 28 + 31 + 34 + 37 =$  \_\_\_\_\_  $=$   
 $=$  \_\_\_\_\_

b) Calculate smartly. Look on the equations and decide where you need to remove parentheses and where you don't:

$14 - (4 - 1) =$  \_\_\_\_\_

$208 - (100 + 8) =$  \_\_\_\_\_

$444 - (44 + 400) =$  \_\_\_\_\_

$444 - (44 + 400) =$  \_\_\_\_\_

$14 - (4 - 1) =$  \_\_\_\_\_

$208 - (100 + 8) =$  \_\_\_\_\_

c) Calculate:

$3 \text{ dm } 7 \text{ cm} + 4 \text{ dm } 5 \text{ cm} =$  \_\_\_\_\_

$26 \text{ cm} + 3 \text{ dm } 8 \text{ cm} =$  \_\_\_\_\_

$7 \text{ dm } 2 \text{ cm} - 56 \text{ cm} =$  \_\_\_\_\_

$6 \text{ dm } 8 \text{ cm} - 9 \text{ cm} =$  \_\_\_\_\_

**2**

Calculate (remember about an order of operations):

$5 \times (4 + 2) =$  \_\_\_\_\_

$(4 + 3) \times 7 =$  \_\_\_\_\_

$9 \times 4 \div 4 + 6 =$  \_\_\_\_\_

$3 \times 4 + 8 \div 2 =$  \_\_\_\_\_

$160 - 7 \times 4 + 1 =$  \_\_\_\_\_

$12 \times 4 - (28 - 6) =$  \_\_\_\_\_

$15 + 3 \times (27 - 20) =$  \_\_\_\_\_

**3**

Calculate:

$60 \div 6 =$

$30 \div 10 =$

$46 \div 1 \div 46 =$

$20 \div 5 =$

$7 \div 7 =$

$70 \div 70 =$

$12 \div 12 \div 1 =$

$20 \div 4 =$



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

4

Bananas are packed in boxes,  $m$  kg per each box.  
 Apples are packed in bags,  $w$  kg per bag. There are 4 boxes of bananas and 9 bags of apples.  
 Explain the meanings of the expressions below:



$4 \times m$	
$9 \times w$	
$4 \times m + 9 \times w$	
$4 \times m - 9 \times w$	
$4 + 9$	

5.

Think of the question you should ask for each problem and solve the problems:

a) Sean has 18 markers. Her teacher gives her three boxes and asks her to put an equal number of markers in each box.

**Q:**

Solution:

b) Camilla has 18 markers. His teacher wants him to put 3 markers in each box until he is out of markers.

**Q:**

Solution:

6.

Emma spent \$9 on each of her 6 friends at the fair. How much money did she spend? \_\_\_\_\_

Aurora bought some games for her friends for \$8 each. If she spent a total of \$48, how many games did Nita buy? \_\_\_\_\_

Zoe spent an equal amount of money on each of her 7 friends at the fair. If she spent a total of \$42, how much did each friend get? \_\_\_\_\_

7.

Calculate:

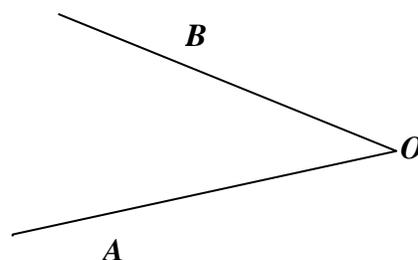
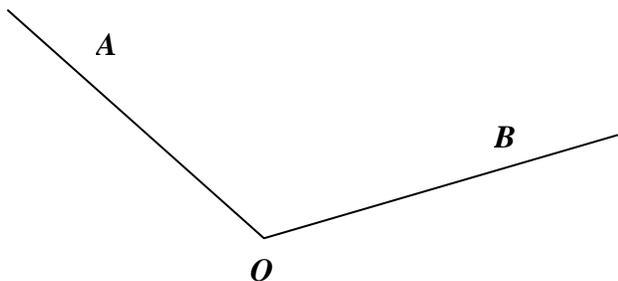
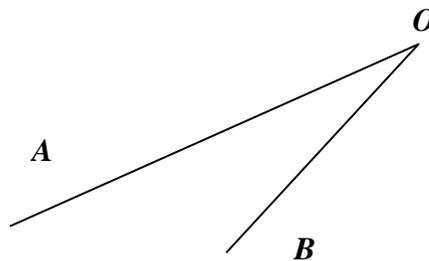
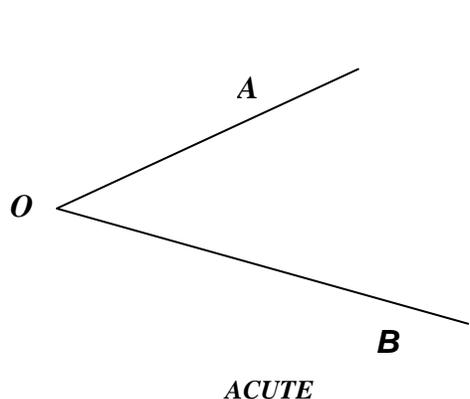
$6 \times 6 \div 6 =$

$7 \div 1 \times 7 =$

$30 \div 30 \times 30 =$

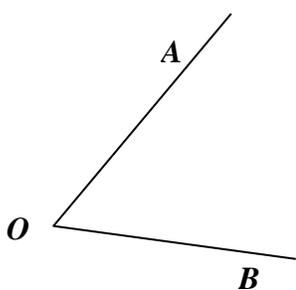
8.

a) Use a ruler to plot ray  $OK$  so that ray  $OB$  would be inside the angle  $\angle AOK$  for each angle below:

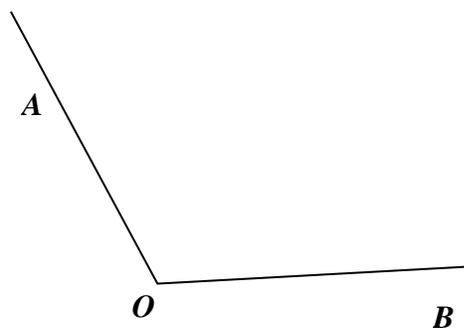
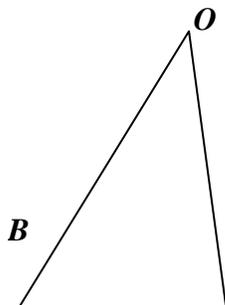
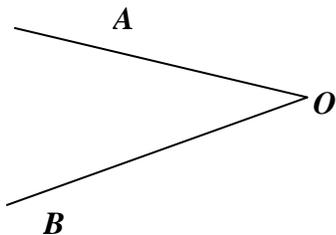
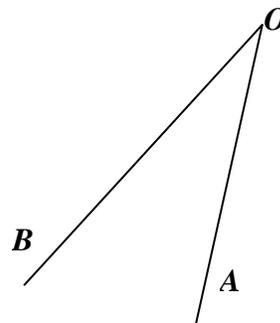
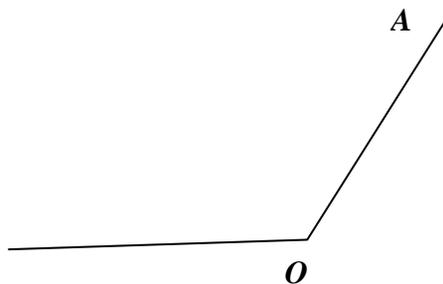


Use right angle template. Label the angles as acute, right or obtuse.

b) Use a ruler to plot ray  $OK$  so that ray  $OB$  would be outside the angle  $\angle AOK$  for each angle below:



ACUTE

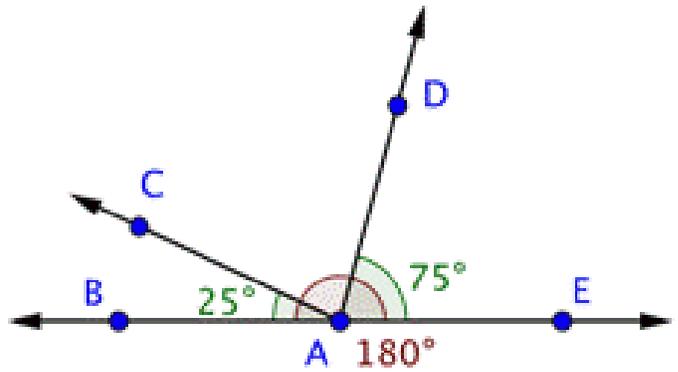


Use right angle template. Label the angles as acute, right or obtuse.

9.

Below is a drawing of a straight angle  $\angle BAE$  (remember that a straight angle is always  $180^\circ$ ). The angle  $\angle DAE$  equals  $75^\circ$  and the angle  $\angle BAC = 25^\circ$ .

- a) Find an angle  $\angle CAD =$  \_\_\_\_\_
- b) Find an angle  $\angle BAD =$  \_\_\_\_\_
- a) Find an angle  $\angle CAE =$  \_\_\_\_\_



10

Choose one of the pictures below and copy it as accurate as you can. Make your picture larger.

