



1

Time to start: _____

Calculate using the most optimal way:

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. His teacher gives him three boxes and asks her to put an equal number of markers in each box.

Q:

Solution:

b) Camilla has 18 markers. Her teacher wants her to put 3 markers in each box until she 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:

$6 \times 6 \div 6 =$

$7 \div 1 \times 7 =$

$30 \div 30 \times 30 =$

$10 \div 5 =$

$10 \div 2 =$

$9 \div 3 =$

$15 \div 3 =$

$15 \div 5 =$

$14 \div 7 =$

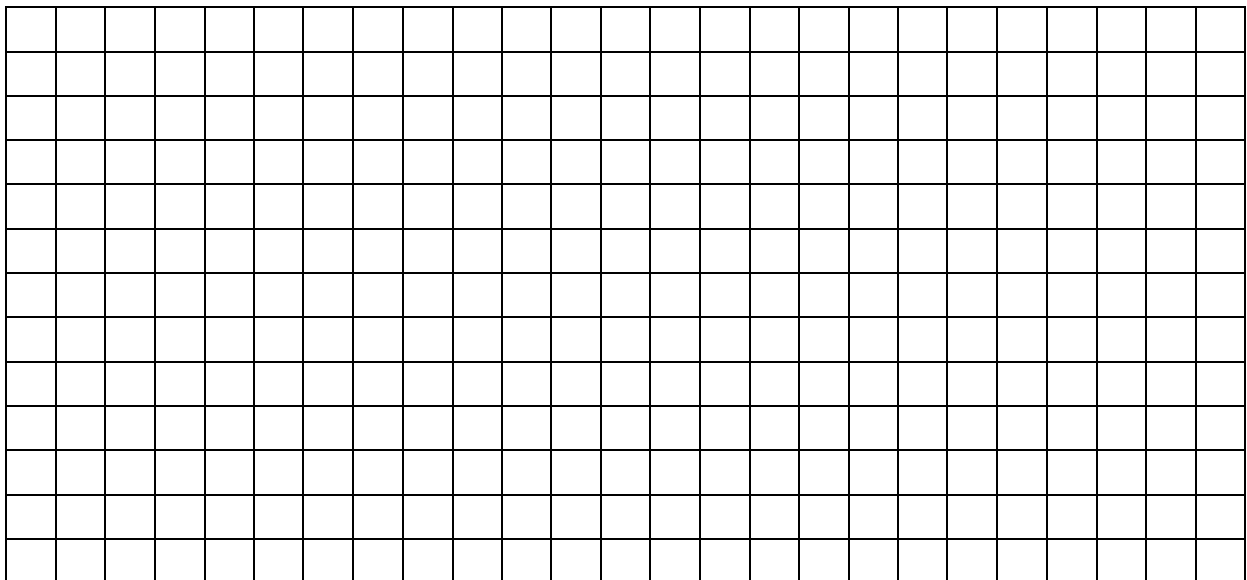
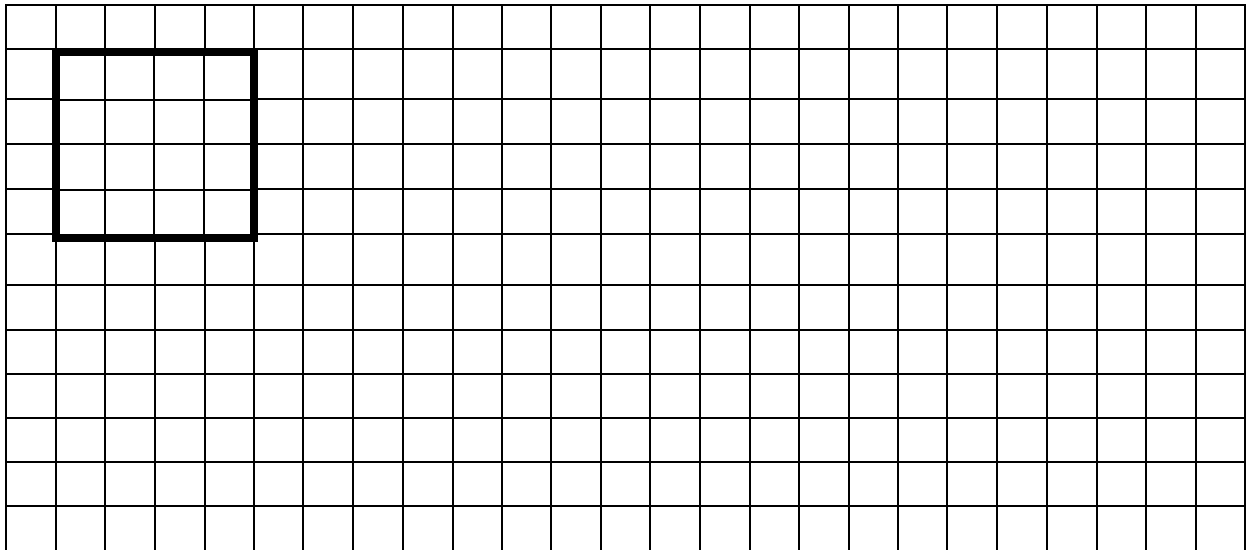
8

Draw a four-sided polygon that has right angles at the 2 bottom corners, an angle less than 90° at the upper left corner, and an angle greater than 90° in the upper right corner.

9

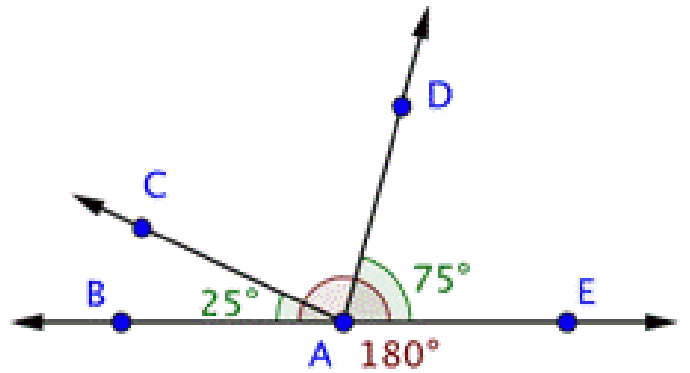
Perimeter of a square below is 16 cm. Using 4 such squares form new shapes so that every two squares might have a common side.

Draw different shapes with $P_1 = 32$ cm and $P_2 = 40$ cm. How many different shapes with perimeter equal 40 cm can you draw?



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

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



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

