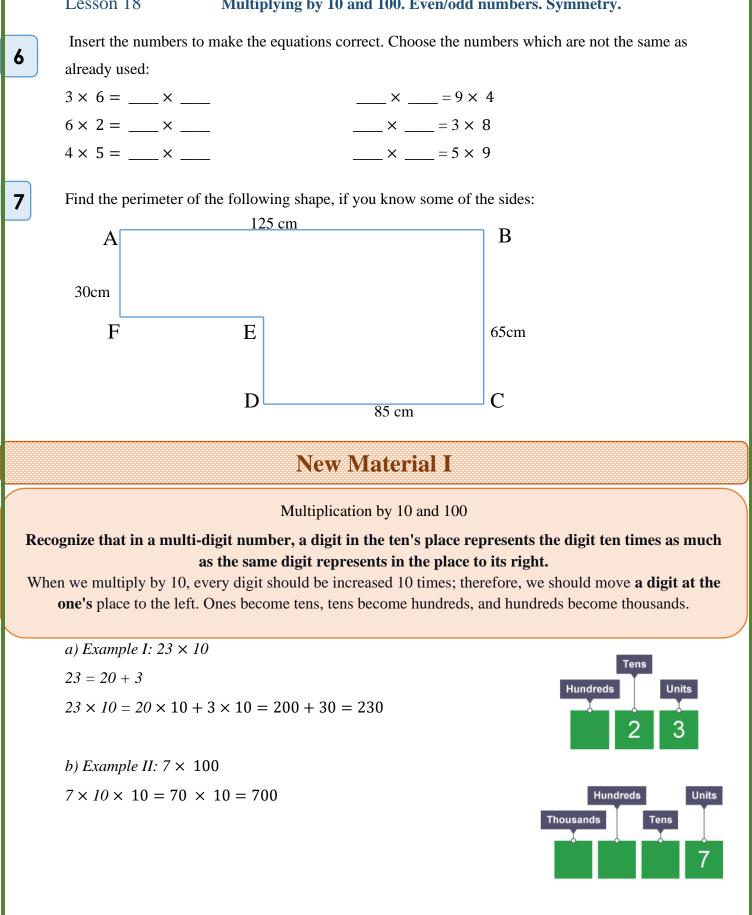
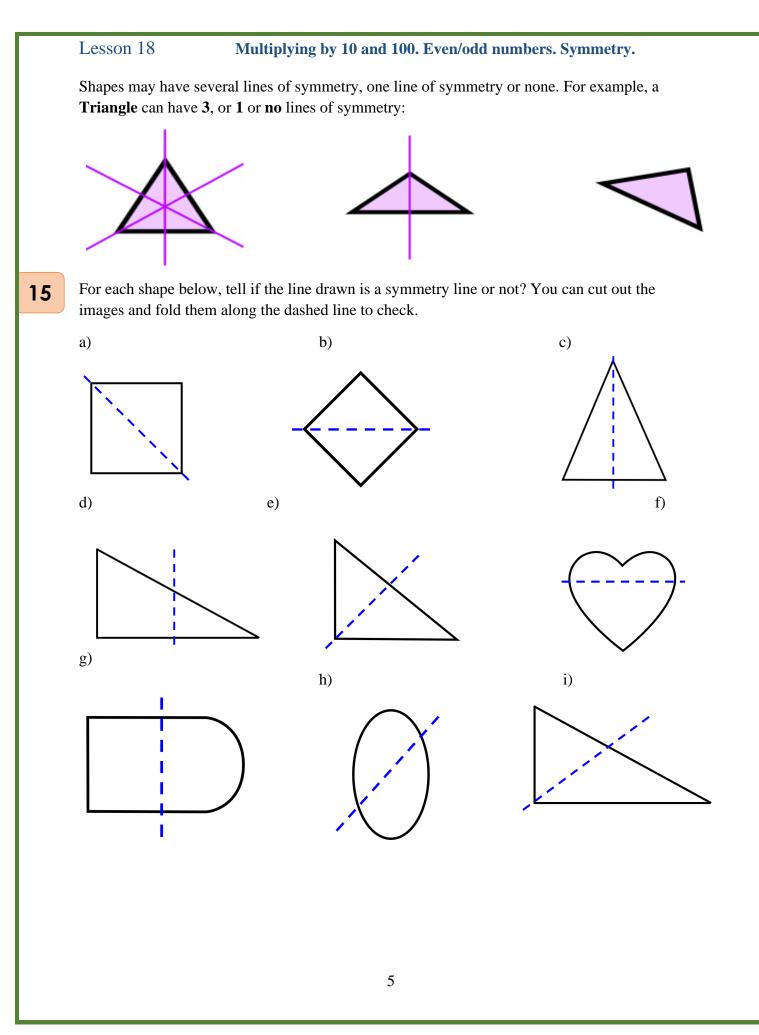
	Warm Up
	Write a numerical expression for each line and find the value: a) 45 is 29 more than what number? b) What is the result of adding 8 twos together? c) What is the result of multiplying 4 threes?
	Fill in the missed numbers: $6 \times 8 = () \times 4 = 3 \times ()$ $5 \times 8 = () \times 4 = 2 \times ()$ $3 \times 10 = () \times 6 = 2 \times ()$ $6 \times 6 = () \times 4 = 3 \times ()$
	Listen the dictation, write down and calculate: 1 2 3 4 5
	Insert the correct arithmetic operation signs (underline the equations where two different operation signs might be inserted and result still will remain the same):
	324 $324 = 0$ 408 $0 = 408$ 528 $1 = 527$ 222 $0 = 0$ 654 $1 = 655$ 657 $1 = 657$
	Homework Review
)	Open parentheses and try to simplify (find like terms and see if some of them can be canceled) <i>HINT: if you do everything correctly, the answer will be just one letter!</i> (a + b + c) - (c - d - e - f - g) - (a + b) - (e + d + f + g) + a =

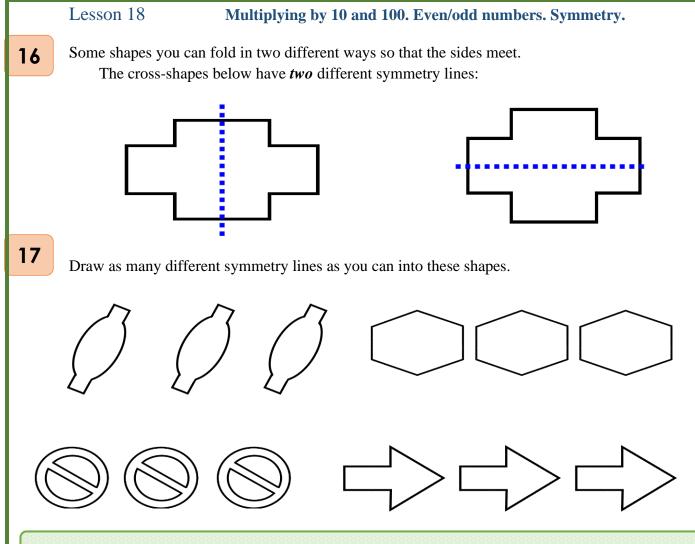
Lesson 18 Multiplying by 10 and 100. Even/odd numbers. Symmetry.



	Lesson 18Multiplying by 10 and 100. Even/odd numbers. Symmetry.
8	Show how you calculate:
	a) $1 \times 10 =$ b) $1 \times 100 =$ c) $10 \times 100 =$
	d) 65 × 10 =
	e) $65 \times 100 =$
	f) 650 × 10 =
	Q: What does "0" represent in each of these equations (in terms of a place value)?
9	By how much greater?
	a) 5 and 50? b) 3 and 300? c) 15 and 1,500?
10	How to multiply a number by 200, 300 400?
	$7 \times 200 = 7 \times 2 \times 100$
	First, we multiply the non - zero digits. $7 \times 2 = 14$
	Then we multiply by 100 - place two zeroes at the end. $14 \times 100 = 1400$
	$7 \times 200 = 1400$
11	By how much greater?
	a) 20 and 40? b) 20 and 400? c) 2 and 4,000?
12	Solve the problems:
12	a) Four watermelons weigh 4kg. How much 10 watermelons will weigh?
	b) In the 10 stories building there are 5 two-bedrooms apartments and 4 one-bedroom apartments on each floor. How many apartments are in the building?
	c) There were 10 plates on the table and <i>x</i> strawberries on each plate. How many strawberries were on 10 plates? On 5 plates?
	d) Find the perimeter of the rectangle with a width equal to 3cm and a length 10 times longer.
	P =
	Even and Odd numbers Even numbers are multiples of 2.
	Odd numbers are NOT multiples of 2.
	If you sort odd number of candies between 2 children, you will always have 1 candy left.
	3

	Lesson 18Multiplying by 10 and 100. Even/odd numbers. Symmetry.
13	The sum of two different even numbers equals 20. Find all possible solutions. Remember about commutative property of addition:
14	Sort out the numbers between 50 and 70 to the groups of even and odd numbers. Even numbers: Odd numbers:
	New Material II
In	Symmetry. Mathematics, a meaning of symmetry defines that one shape is exactly like the other shape when it is moved, rotated, or flipped.
	Example: You are told to cut out a 'heart' from a piece of paper. What would you do? Don't you simply fold the paper, draw one-half of the heart at the fold and cut it out to find that the other half exactly matches the first half? The heart carved out is an example of symmetry.
Ref	 lection Symmetry (sometimes called Line Symmetry or Mirror Symmetry) is easy to spot, because one half of the shape is the reflection of the other half. The Line of Symmetry (also called the Mirror Line) can be oriented in any direction.
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$





Did vou Know ...?

Symmetry (from the Greek word $\sigma \circ \mu \epsilon \tau \rho (\alpha - symmetria)$ is found everywhere in nature and is also one of the most prevalent themes in art, architecture, and design — in cultures all over the world and throughout human history. Symmetry is undoubtedly one of the most powerful and pervasive concepts in mathematics.

The maths concept of symmetry was derived from nature.

Everything around you are symmetrical, and we observe this day in and out but never put a thought to it.

Just imagine having one eye, one ear, one hand, or leg- nothing symmetrical bout it !!! We were

