




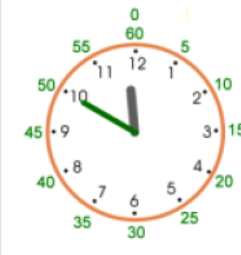




**NEW MATERIAL**

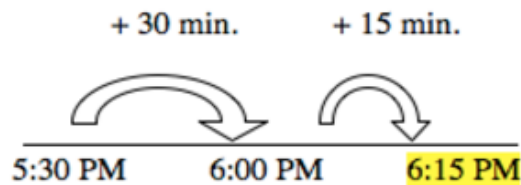
Tell the time on each clock:

 <p>a. _____ : _____</p>	 <p>b. _____ : _____</p>	 <p>c. _____ : _____</p>	 <p>d. _____ : _____</p>
 <p>e. _____ : _____</p>	 <p>f. _____ : _____</p>	 <p>g. _____ : _____</p>	 <p>h. _____ : _____</p>

1.

Solve problems. Use a number line to illustrate it.

- a) It usually takes Kristina 45 minutes to do her homework. If she starts her homework at 5:30 PM, what time will she finish?



- b) One day Kristina started her homework at 6:45 PM and finished her homework at 7:20 PM. How long did Kristina spend on her homework?

- c) Another day, Kristina finished her homework at 5:05 PM after spending 40 minutes on her homework. What time did Kristina start her homework?

**Dividing a number by one and by itself.**

When any number is divided by 1, the quotient is the number itself.

(a)  $7 \div 1 = 7$

(b)  $53 \div 1 = 53$

**$a \div 1 = a$**

When a number (except 0) is divided by itself, the quotient is 1.

(a)  $7 \div 7 = 1$

(b)  $53 \div 53 = 1$

**$a \div a = 1$**

**2.**

Calculate:

$7 \times 1 = \underline{\quad}$

$7 \div 7 = \underline{\quad}$

$5 \times 1 = \underline{\quad}$

$5 \div 5 = \underline{\quad}$

$9 \times 1 = \underline{\quad}$

$9 \div 9 = \underline{\quad}$

$a \times 1 = \underline{\quad}$

**$a : a = \underline{\quad}$**

$7 \times 1 = \underline{\quad}$

$7 \div 1 = \underline{\quad}$

$5 \times 1 = \underline{\quad}$

$5 \div 1 = \underline{\quad}$

$9 \times 1 = \underline{\quad}$

$9 \div 1 = \underline{\quad}$

$a \times 1 = \underline{\quad}$

**$a : 1 = \underline{\quad}$**

**3.**

Solve the equations:

$x \div 9 = 1$

$5 \div y = 5$

$q \times 1 = 9$

$p \div 7 = 1$

$x = \underline{\quad}$

$y = \underline{\quad}$

$q = \underline{\quad}$

$p = \underline{\quad}$

**4.**

a) Without calculations, write all expressions in the descending order (from the largest to smallest):

$2 \times 17, \quad 17 \times 4, \quad 17 \times 7, \quad 8 \times 17, \quad 17 \times 5, \quad 3 \times 17, \quad 17 \times 1$

b) Without calculations, write all expressions in ascending order (from the smallest to largest):

$30 \div 1, \quad 30 \div 5, \quad 30 \div 3, \quad 30 \div 10, \quad 30 \div 6, \quad 30 \div 2, \quad 30 \div 30$

5. Write all possible equalities below

$\square \times \square = \square$

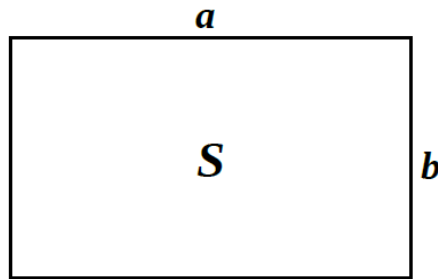
$\square \times \square = \square$

$\square : \square = \square$

$\square : \square = \square$

$\square : \square = \square$

$\square : \square = \square$



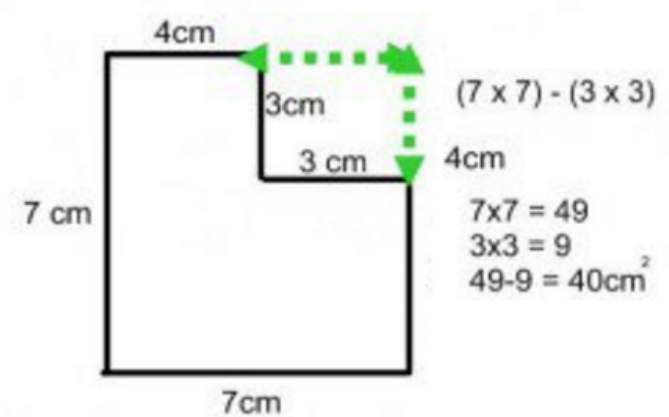
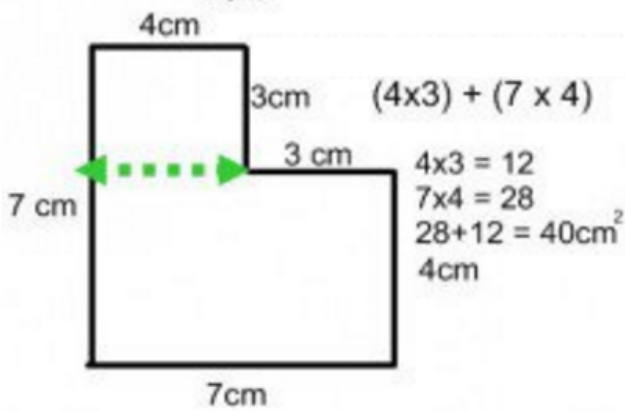
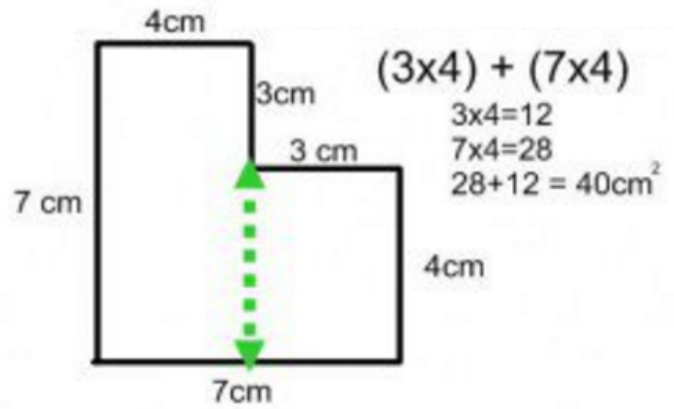
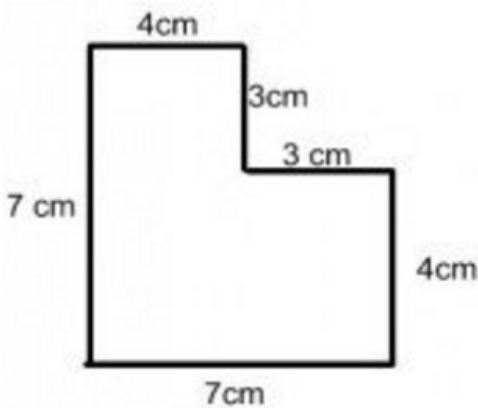
$a \times b = S$

$\square \times \square = \square$

$S : \square = \square$

$\square : \square = \square$

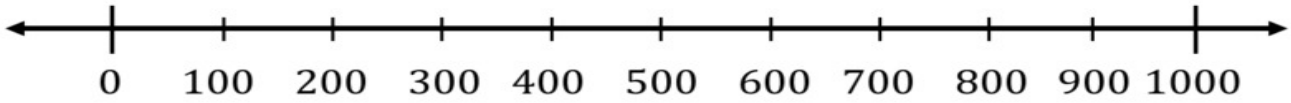
**Area of compound shapes.**



## REVIEW

6. a) Plot the following numbers on the number line: 450, 980, 630, 125, 220, 360, 800

Choose different pairs of numbers from those you plotted on the number line to a



comparison correct. make

$$\underline{\hspace{2cm}} > \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} > \underline{\hspace{2cm}}$$

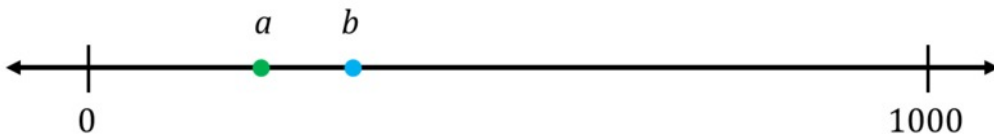
$$\underline{\hspace{2cm}} > \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} < \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} < \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} < \underline{\hspace{2cm}}$$

b) Is the number  $a$  greater or less than the number  $b$  ?



How do you know?

7.

Compare if possible using  $>$ ,  $<$ , or  $=$ .

$$6 \times 2 \square 6 \div 2$$

$$c \times 2 + c \square c \times 3$$

$$5 \times 2 \square 5 + 2$$

$$7 \times 3 \square 6 + 6 + 6$$

$$y \times 4 + y \times 2 \square y \times 5$$

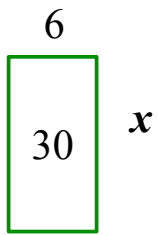
$$q \times 2 \square q \div 2$$

$$6 \div 3 \square 6 \div 2$$

$$24 \div 6 \square 24 \div 4$$

$$t \div 2 \square t \div 3$$

8. Use the rectangles to visualize each problem, construct equations and to solve them:



$$x \times 6 = 30$$

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$$42 \div y = 7$$

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$$9 \times z = 72$$

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$$t \div 6 = 8$$

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### Did you know ...

Ever since man first noticed the regular movement of the Sun and the stars, we have wondered about the passage of time. Prehistoric people first recorded the phases of the Moon some 30,000 years ago, and recording time has been a way by which humanity has observed the heavens and represented the progress of civilization.

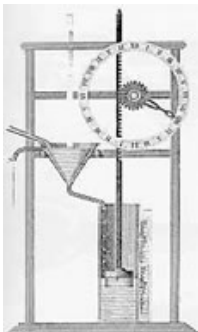
### First Clocks

#### **Candle Clocks**

Marked candles were used for telling the time in China from the sixth century CE.



A candle marked for use as a timer



#### **Water Clocks**

The water clock, or clepsydra, appears to have been invented about 1,500 BCE and was a device, which relied on the steady flow of water from or into a container.