

# Homework 19

1.

Continue the sequences ( 6 more numbers):

12, 16, 20, 24, ..., ...

27, 32, 37, 42, ..., ...

76, 73, 70, 67, ..., ...

111, 211, 311, 411, ..., ...

2.

Find all mistakes and correct them:

$7 \times 3 > 21$

$9 \times 9 > 79$

$7 \times 6 > 48$

$8 \times 9 < 76$

$42 < 7 \times 6$

$63 < 7 \times 9$

$6 \times 3 > 15$

$8 \times 4 > 24$

3.

Daniel has a few boxes with pencils. In each box there are either 3 or 5 pencils.

All boxes are closed and he cannot open them. Answer each question by writing the expression how he can do it.

a) Can he take exactly 29 pencils without opening any boxes?

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b) Can he take 14 pencils without opening any boxes?

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c) Can he take 31 pencils without opening any boxes?

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4.

a) The tape was cut in 9 sites. How many pieces of tape were there after cutting?

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b) How one hot dog can be divided between 3 people? How many cuts should be done?

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5.

Solve for x using diagrams and check your answer:

$$x + 11 = 218$$

$$201 - x = 35$$

$$x - 216 = 345$$

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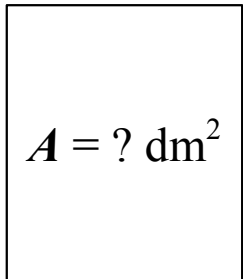
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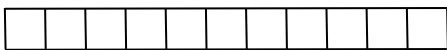
6.

Find the Area of the rectangles. Write your answer below, don't forget the units of measure!

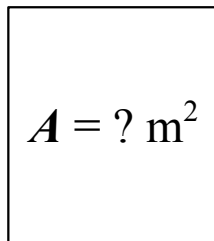
$$a = 4 \text{ dm}$$



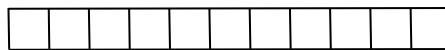
$$b = 6 \text{ dm}$$



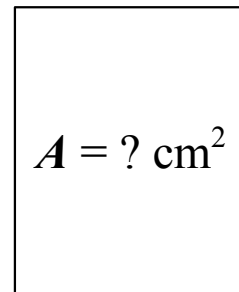
$$a = 3 \text{ m}$$



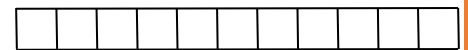
$$b = 4 \text{ m}$$



$$a = 7 \text{ cm}$$



$$b = 6 \text{ cm}$$



7.

Calculate:

$$20 \times 30 =$$

$$15 \times 100 =$$

$$200 \times 2 =$$

$$50 \times 5 =$$

$$25 \times 20 =$$

$$40 \times 5 =$$

**8. Solve word problems:**

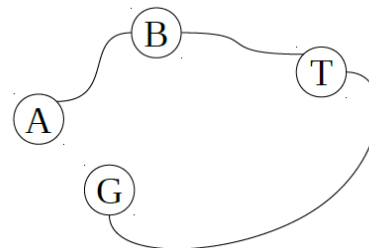
**A.** Amy brought 28 pencils to the class. Nick took 3 pencils, Mike took twice as many pencils as Nick, and Natalie took 3 times more than Mike. How many pencils were left?

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**B.** There were 10 passengers on a bus. At the first stop, 9 passengers got on the bus. At the second stop, 5 passengers got on the bus and 3 passengers got off. How many people were on the bus after two stops including the driver?

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**C.** A taxi driver drove 3 kilometers from the airport to the bus station. Then he drove to the train station, which is 2 kilometers further away than the airport. Finally, he drove to the garage, which is 3 times further from the train station than the bus stop. How many kilometers did the taxi drive since it left the airport and arrived in the garage?



**D.** During play time, Lisa, Katie, and Jack hid themselves under their desks. Jack spent 2 minutes there and Lisa sat under her desk twice as long as Jack. Katie spent 3 minutes longer than Lisa under her desk. How long did Katie spend under her desk?

J \_\_\_\_\_  
 L \_\_\_\_\_  
 K \_\_\_\_\_

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8.

Draw a reflection of these shapes in the mirror line:

