

1

Four children have different last names. Find out everyone's full name.

|             | <i>Smith</i> | <i>Jones</i> | <i>Gonzales</i> | <i>Lee</i> |
|-------------|--------------|--------------|-----------------|------------|
| <i>Sam</i>  |              |              |                 |            |
| <i>Lil</i>  |              |              |                 |            |
| <i>Dan</i>  |              |              |                 |            |
| <i>Barb</i> |              |              |                 |            |

1. Barb's last name does not have a "z" in it.
2. Sam's last name does not end with an "s".
3. Lil's last name has 5 letters in it.
4. Sam's last name is not the shortest one here.

2

Remember metric system?

Use the following knowledge:

$$1\text{cm} = 10\text{mm}$$

$$1\text{dm} = 10\text{cm}$$

$$1\text{m} = 10\text{dm} = 100\text{cm}$$

$$1\text{km} = 1000\text{m}$$

Convert (express in different units of length):

$$2\text{km} = \underline{\hspace{2cm}} \text{ m}$$

$$3000\text{m} = \underline{\hspace{2cm}} \text{ km}$$

$$30\text{cm} = \underline{\hspace{2cm}} \text{ mm}$$

$$500\text{mm} = \underline{\hspace{2cm}} \text{ cm}$$

$$1\text{m } 60 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$$

$$50\text{m} = \underline{\hspace{2cm}} \text{ cm}$$

3

Jessica is measuring two line segments. The first line segment is 30 cm long. The second line segment is 500 mm long. What is the length the two line segments together? (answer in cm)

\_\_\_\_\_

4

Walt grew 10 centimeters in 1 year. He is now 1m 60 cm tall. How tall was he 1 year ago?

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## HW 6

Angles. Units of length. Measurements.

5

Solve problems:

a) A gnome is 43 cm tall, Pinocchio is 4 dm 8 cm tall. Who is taller? By how much?

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b) An elevator button is on 1m 2dm 1cm above the floor. A boy is 13dm 5cm tall. Can he reach an elevator button?

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6

Calculate writing each problem in the columns (Don't forget to write ones under ones, etc.)

a)  $106 + 71 + 12 =$

b)  $42 + 109 + 30 =$

c)  $201 + 199 + 40 =$

[illegible]

7

Express in meters, decimeters, and centimeters.

$$485 \text{ cm} = 4\text{m} + 8\text{dm} + 5\text{cm}$$

562 cm = \_\_\_\_\_

807 cm = \_\_\_\_\_

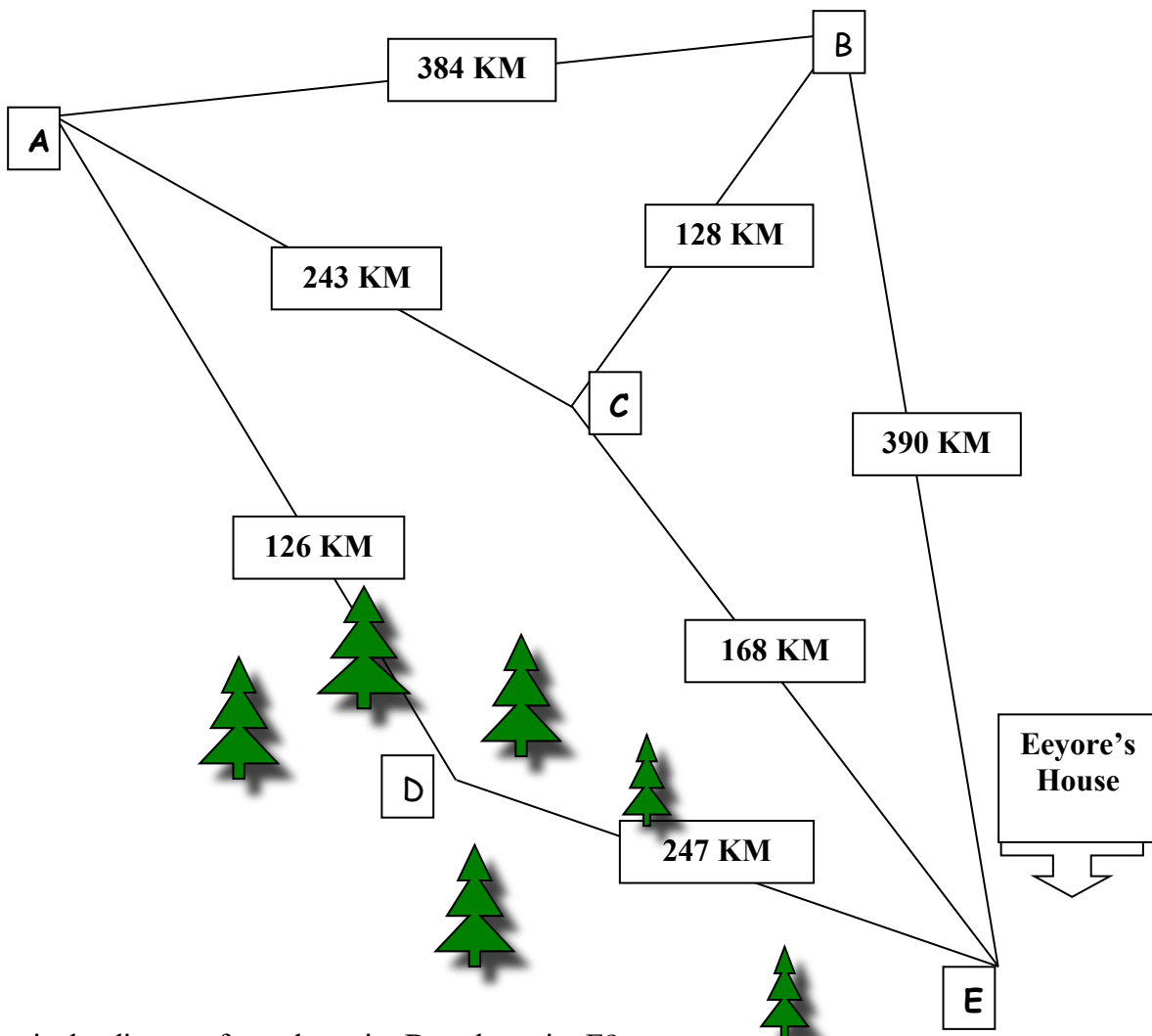
350 cm = \_\_\_\_\_

633 cm = \_\_\_\_\_

426 cm = \_\_\_\_\_

8

Travelling.

Pooh's  
House

- What is the distance from the point D to the point E? \_\_\_\_\_
- If Eeyore goes to Pooh's house through the forest, what is the total distance he travels? \_\_\_\_\_
- What is the distance from the point B to the point E?  
\_\_\_\_\_
- What is the total distance from point A to the point E via B? \_\_\_\_\_
- What is the total distance from the point A to the point E via C? \_\_\_\_\_
- If Pooh goes to Eeyore's house, which is the shortest route? \_\_\_\_\_



9

One penny out of three is fake. It is lighter than the others. How can you find the fake coin by using a balance scale like the one shown in the picture? You can only weigh once!




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10

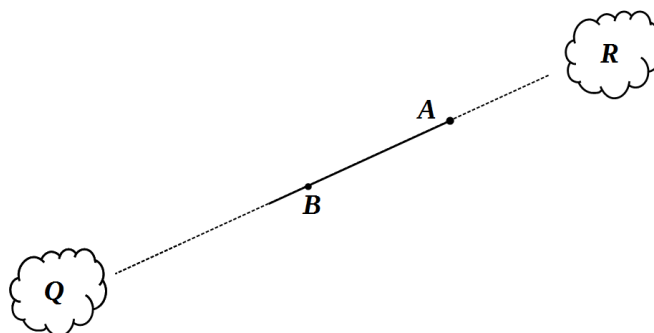
Compare the rays  $\overrightarrow{AB}$  and  $\overrightarrow{BA}$ :

Does ray  $\overrightarrow{AB}$  pierce cloud  $R$ ? \_\_\_\_\_

Does ray  $\overrightarrow{AB}$  pierce cloud  $Q$ ? \_\_\_\_\_

Does ray  $\overrightarrow{BA}$  pierce cloud  $R$ ? \_\_\_\_\_

Does ray  $\overrightarrow{BA}$  pierce cloud  $Q$ ? \_\_\_\_\_



11

Using a ruler, draw angles  $\angle ABC$  and  $\angle FDE$   
Find the area which belong to both angles  
and shade it with a pencil.

