Measurement Review

Name:_____ Date:_____

1. Write each date in metric notation.
   a) July 4th, 2007 b) December 17th, 2005

   c) February 3rd, 2010 d) May 31st, 1900

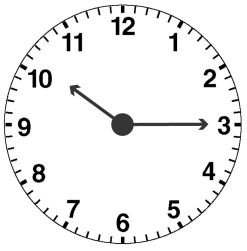
2. Write each date using words and numbers.
   a) 2001 09 09 b) 1943 11 27

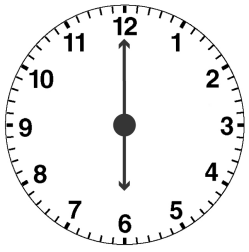
   c) 2008 12 25 d) 2009 04 13

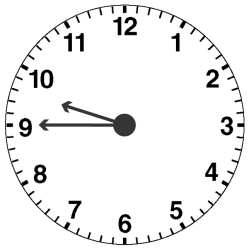
3. Write each date in metric notation.
   a) today's date b) your birth date

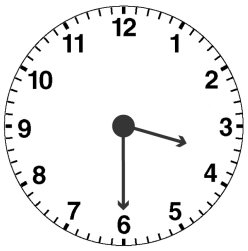
c) your friend's birth date d) the date one week from today

4. Write each time two ways.

a) 

b) 

c) 

d) 

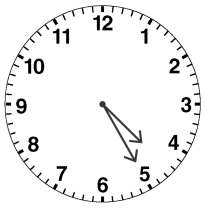
5. Draw a digital clock to show each time.
   a) half past 7 b) quarter after three c) ten o'clock

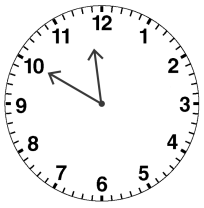
   d) quarter to 2 e) six forty-five f) twelve thirty

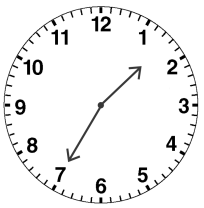
6. Draw a picture to show what you might be doing at each time.
   a) 2:00 in the morning b) five-thirty in the afternoon

   c) 4:00 in the afternoon d) eight o'clock at night

7. Write each time two ways.

a) 

b) 

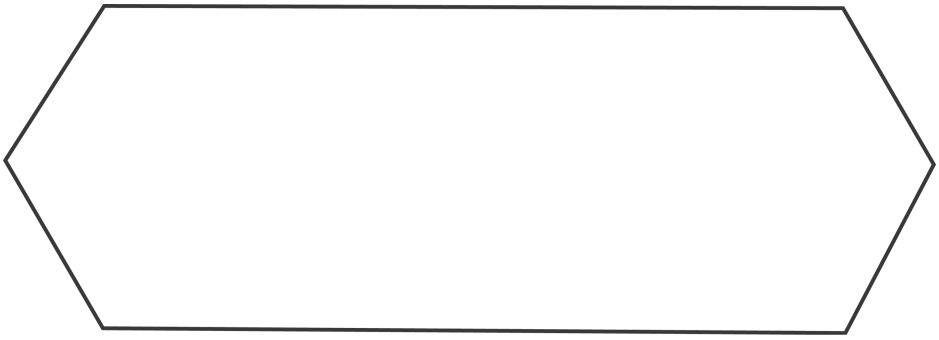
c) 

8. Use the clocks from question 1.
   Write the time 5 minutes after each time shown.

9. Draw a digital clock to show each time.
   a) ten thirty-eight
   b) five minutes after six
   c) twelve o'clock
   d) quarter to two
   e) eleven minutes to five
   f) three thirty

10. Draw an analog clock to show each time in question 3.

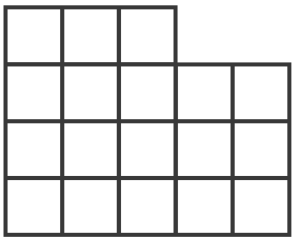
11. a) Use Pattern Blocks to find the area of this shape.
    The unit is 1 red Pattern Block.



b) What is the area of the shape in green Pattern Blocks?
In blue Pattern Blocks?

12. Find the area of each floor.

a)



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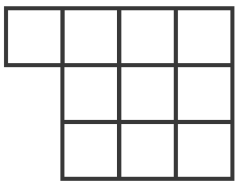
b)



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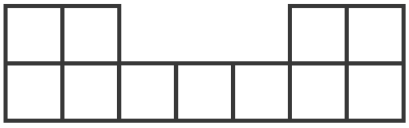
c)



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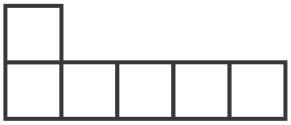
d)



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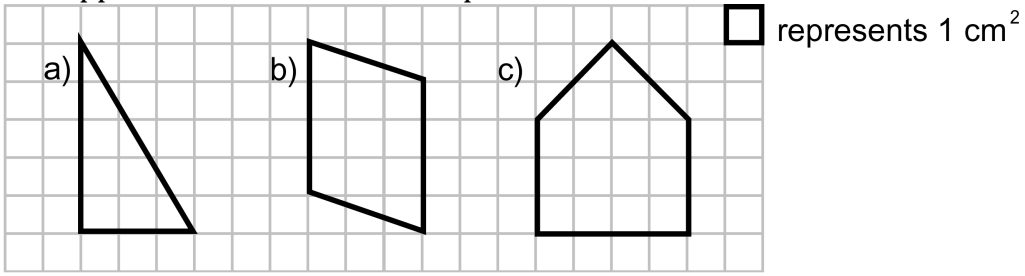
13. Use 1-cm grid paper.
Draw a rectangle with each area.

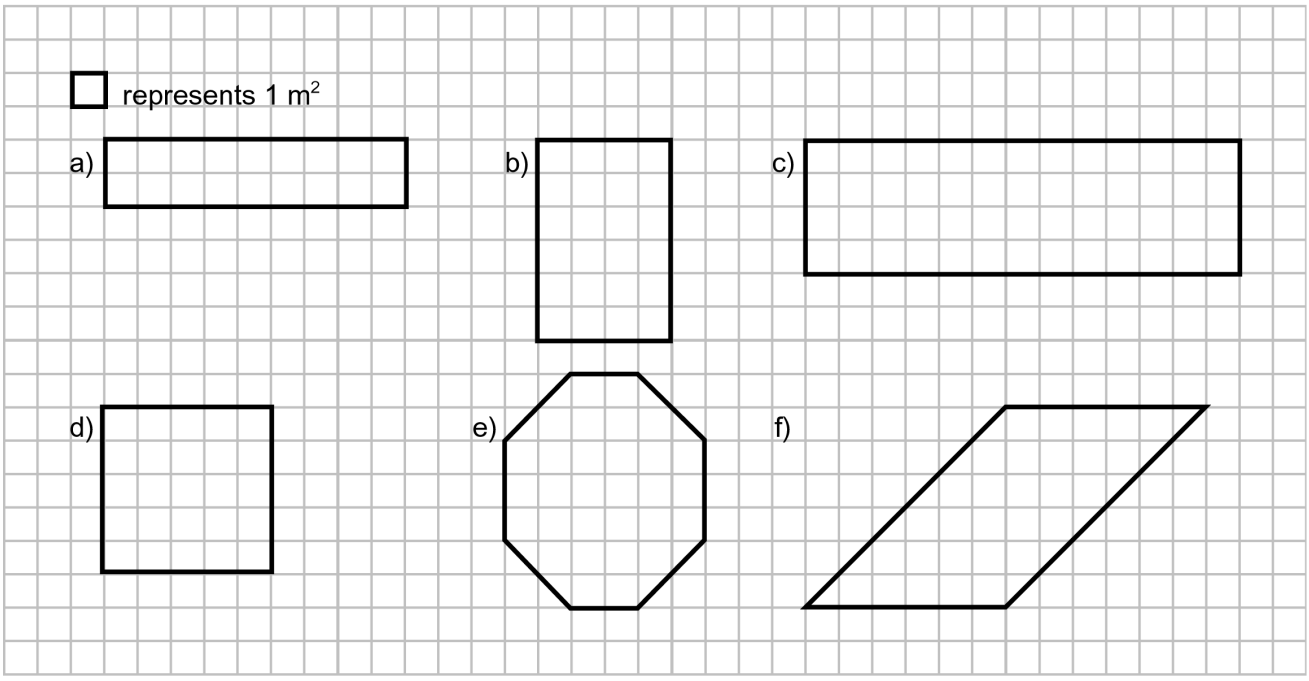
a) 12 cm^2 b) 13 cm^2 c) 18 cm^2 d) 3 cm^2

14. Find the approximate area of each shape.



15. Order the shapes in question 1 from greatest area to least area.

16. Find the area of each shape.



17. Order the shapes in question 1 from greatest area to least area.

18. Use 1-cm grid paper.
Draw all possible rectangles with area 24 cm^2.

19. Use 1-cm grid paper.
Draw all possible rectangles with area 32 cm^2.

20. Use 1-cm grid paper.
Draw all possible rectangles with area 21 cm^2.

21. Use 1-cm grid paper.
Draw all possible rectangles with area 9 cm^2.

22. Theresa wants new carpeting for her family room. Her family room is a 9 m by 6 m rectangle. How much carpeting does she need to buy to cover her entire family room?

BONUS 23. Creating a school

Use 1-cm grid paper to design a school.
Your school must have:

- 2 grade 1 classrooms
- 1 grade 2 classroom
- 1 grade 3 classroom
- 3 grade 4 classrooms
- 2 grade 5 classrooms
- 1 grade 6 classroom
- A gym
- A Learning Commons
- A music room
- An office
- Hallways

Rules

- Grades 1-3 Classrooms must be at least 4 m^2
- Grades 4-6 Classrooms must be at least 6 m^2
- The Gym must be at least 15 m^2
- The Learning Commons is 10 m^2
- The music room will be between 6m^2 and 10m^2
- The Office must be as big as the largest classroom
- Each classroom must be accessible by a hallway
- Each square of the hallway counts as 1m^2

Label each room and area on grid paper, and tell me the total area of your school including the hallway.

If the flooring costs for each room is as follows:

- Grades 1-3 Classrooms \$3 per m^2
- Grades 4-6 Classrooms \$4 per m^2
- The Gym \$7 per m^2
- The Learning Commons \$5 per m^2
- The music room is \$3 per m^2
- The Office is \$2 per m^2
- Each square of the hallway is \$1 per m^2

Write how much each classroom will cost to floor, and what the total cost of flooring the school will be.