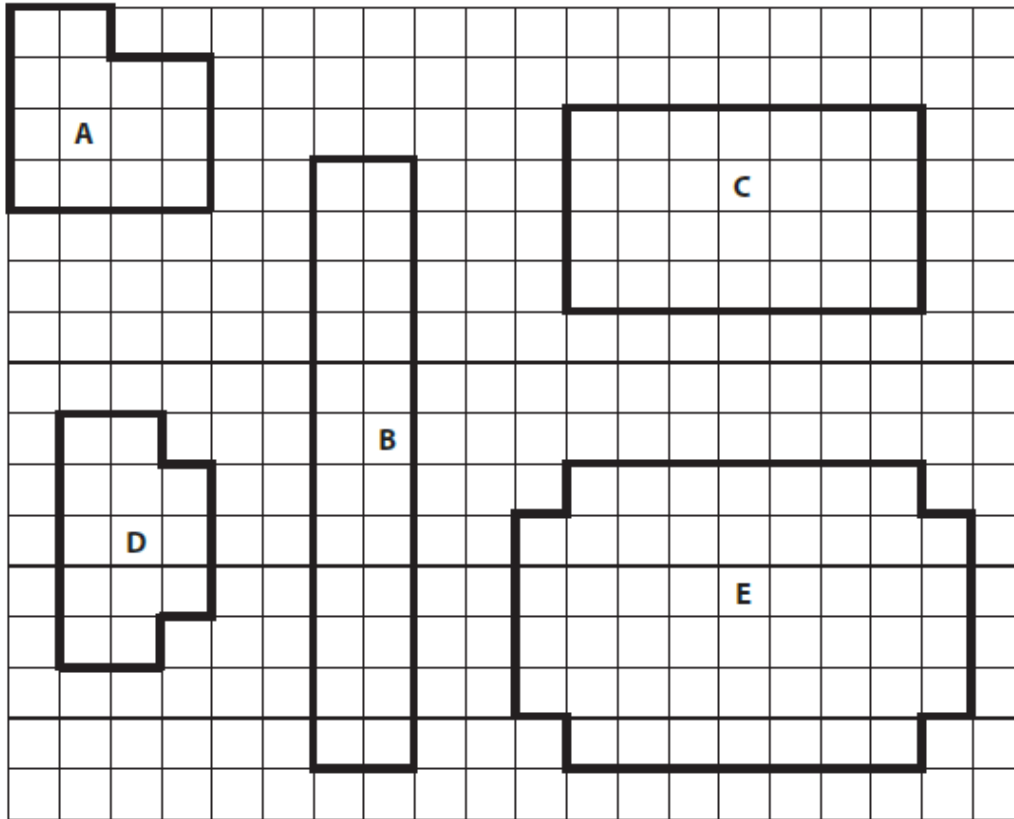




Perimeter Activity 1

Find the perimeter of the shapes below by counting the sides of each square in the shape highlighted in the grid, using 1 side of the square to represent 1cm.



Shape	Perimeter
A	
B	
C	
D	
E	

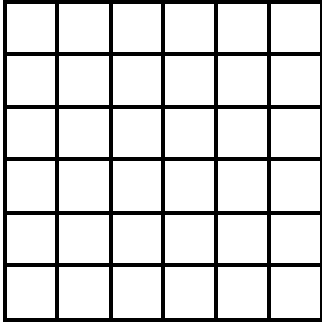
Mr Gilbert wants to build a garden that has an area of 34cm. Use the space below to draw what his garden could look like.



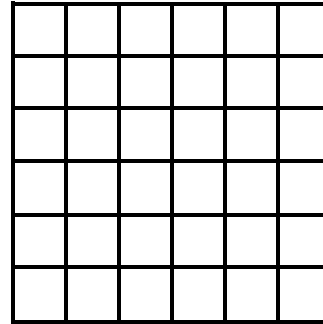
Perimeter Activity 2

Draw irregular polygons with the following perimeter

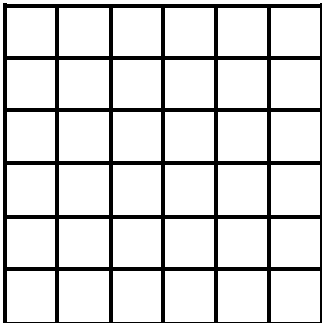
Perimeter = 10 units



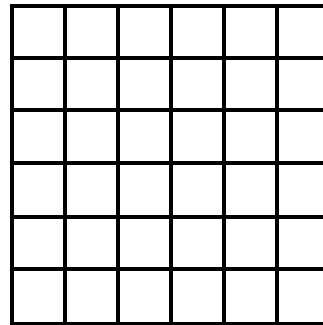
Perimeter = 28 units



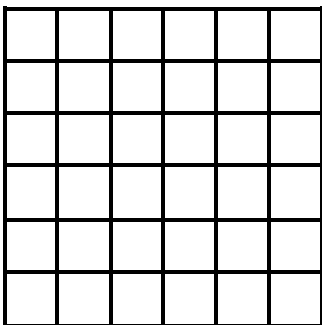
Perimeter = 20



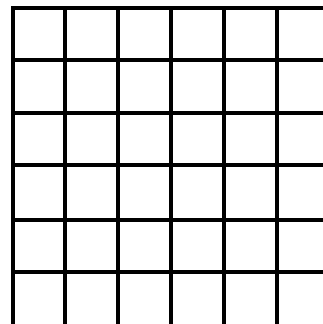
Perimeter = 16



Perimeter = 24



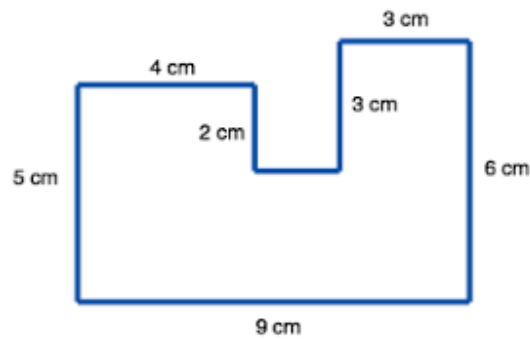
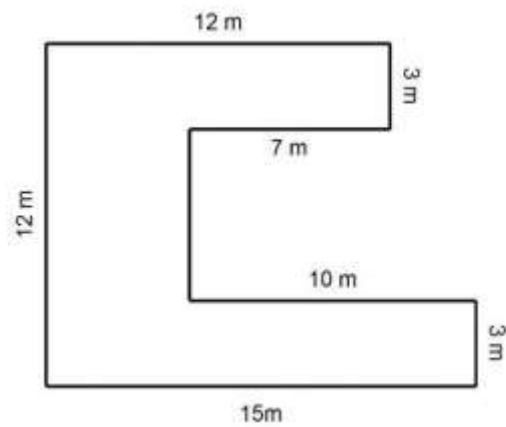
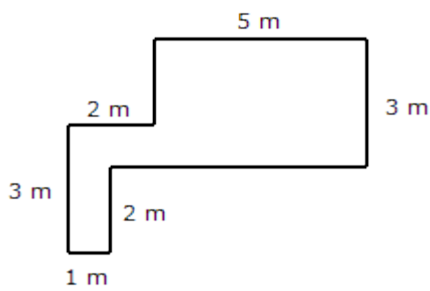
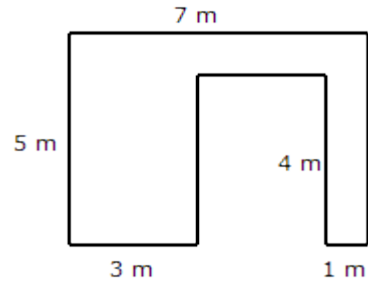
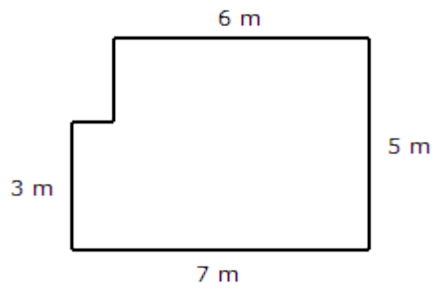
Perimeter = 18





Perimeter Activity 3

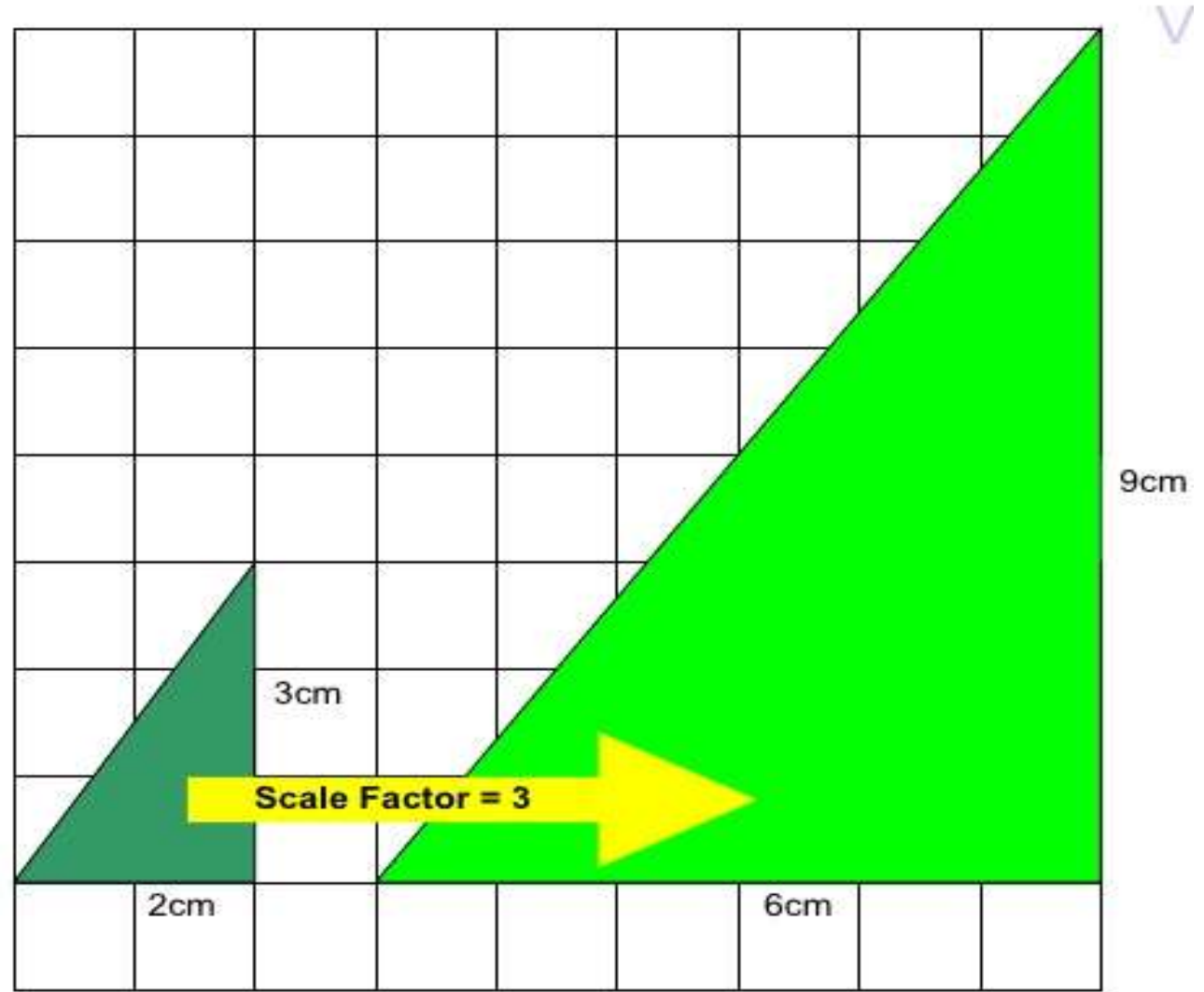
Find the perimeter of the following irregular shapes



Worksheet – Scale Drawing

To enlarge a shape on a centimetre grid, simply multiply the lengths by the scale factor.

Hint: You only need to worry about the vertical and horizontal lengths, the diagonals will follow.

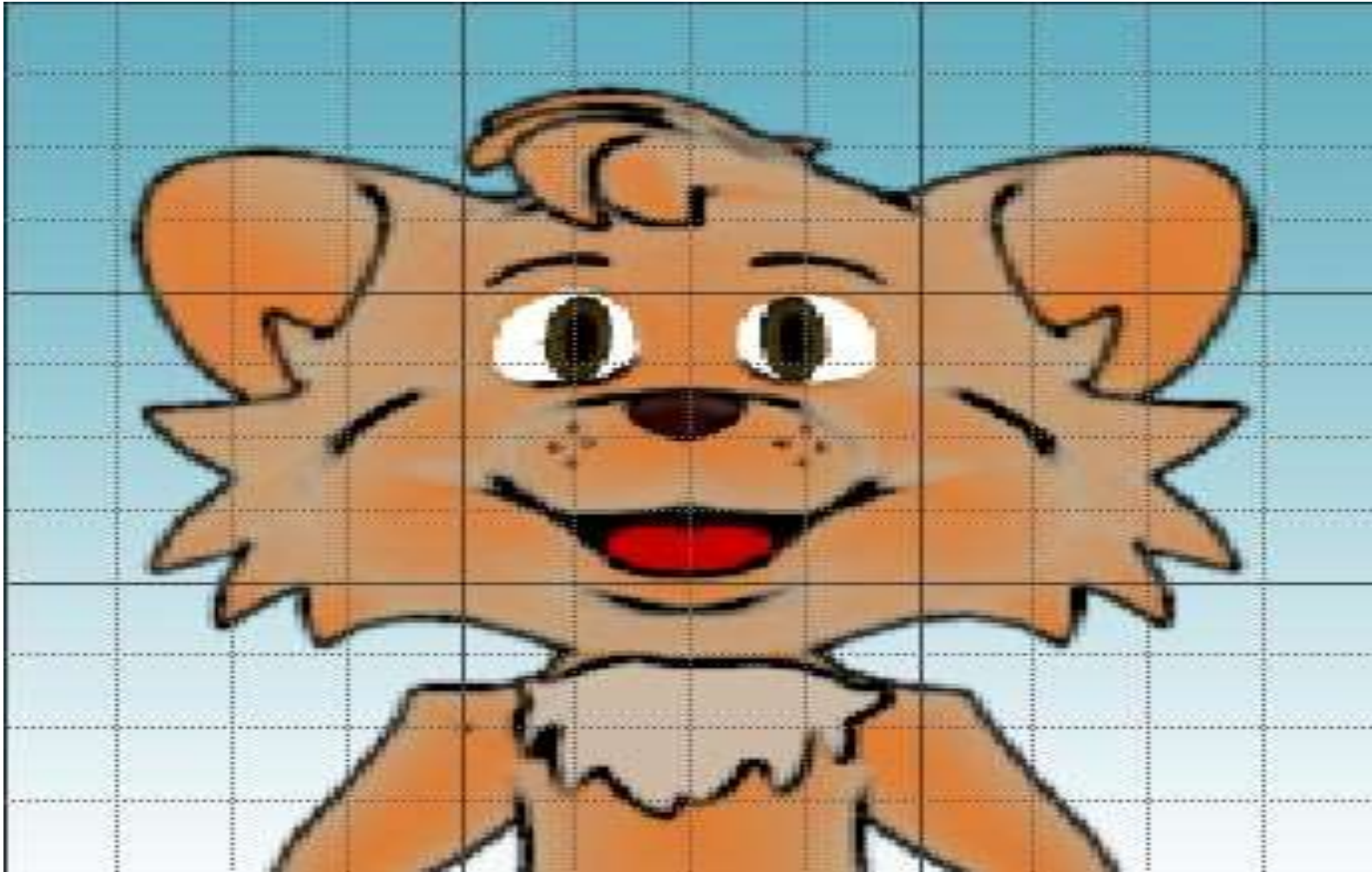


Worksheet – Map of Jamaica



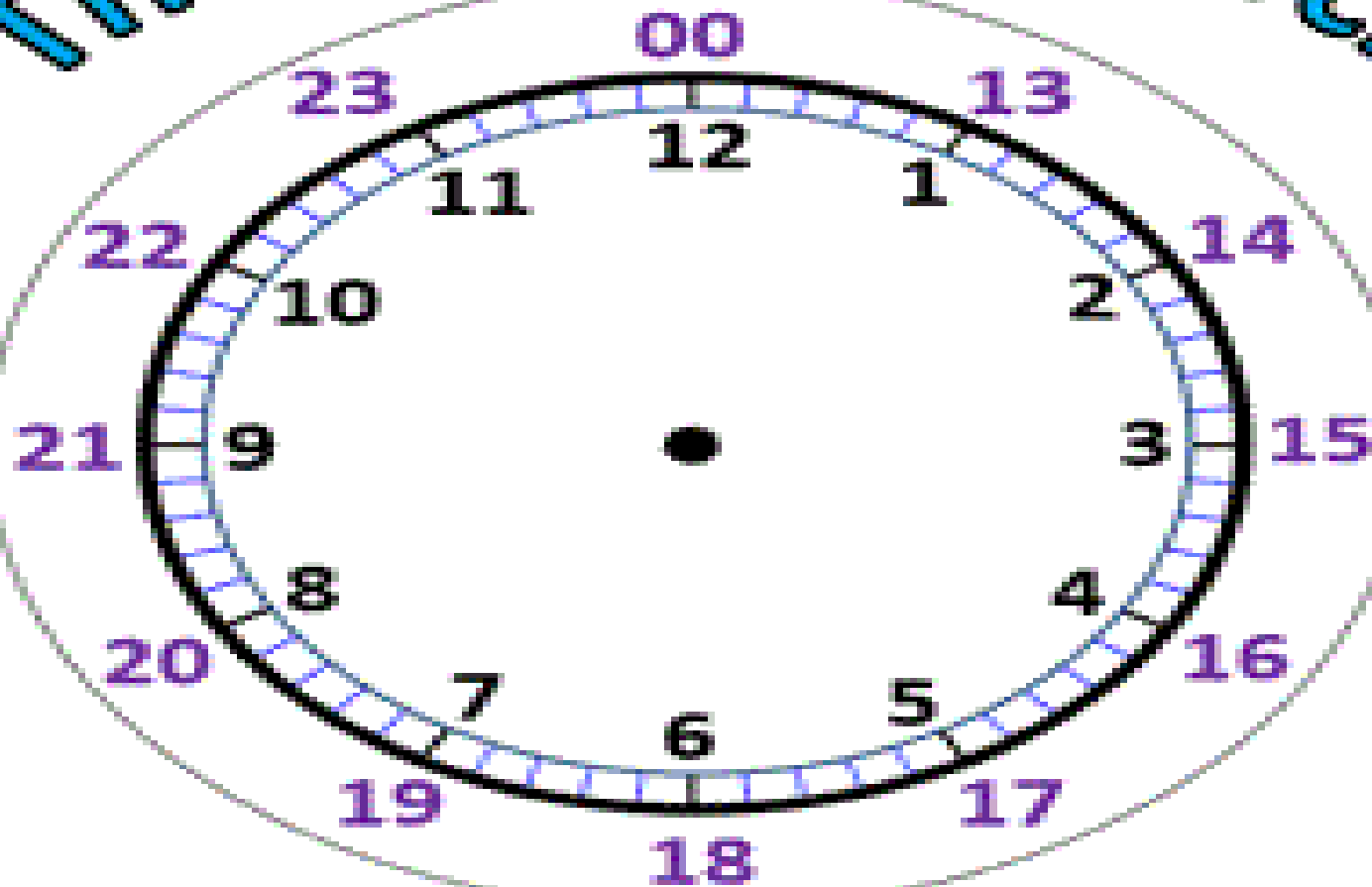
Using the Grid Paper

Using Grid Paper Test Students Ability to Reproduce the Following





The 24 hour clock



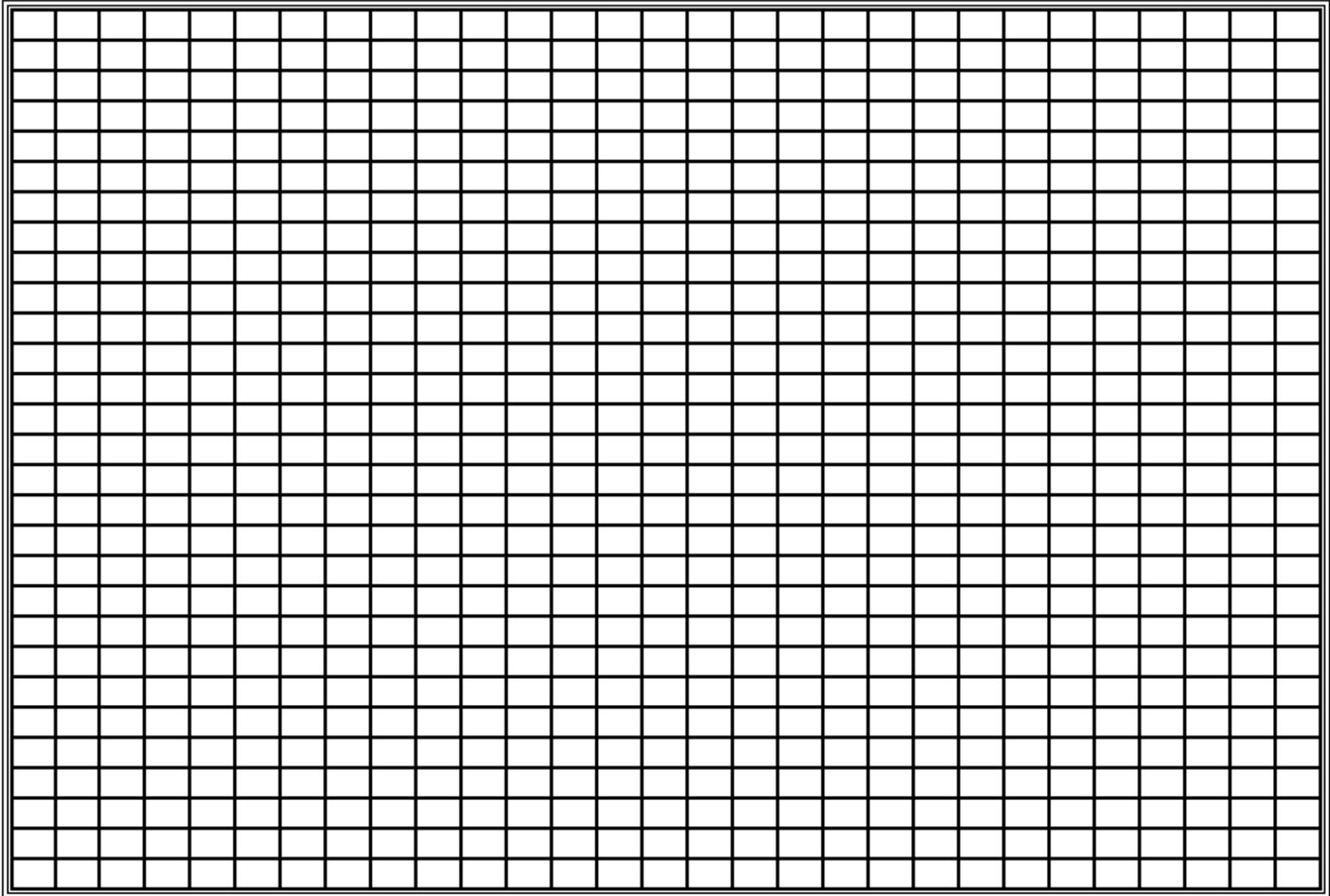
Routine Activity

Let students state the possible time of the day these activities can occur, using a 24 hour clock

				
wake up	get up	have a shower	comb your hair	get dressed
				
have breakfast	brush your teeth	go to school	have classes	have lunch
				
go back home	do your homework	have dinner	watch TV	go to bed



GRID PAPER





Worksheet – Testing your Reading Skills

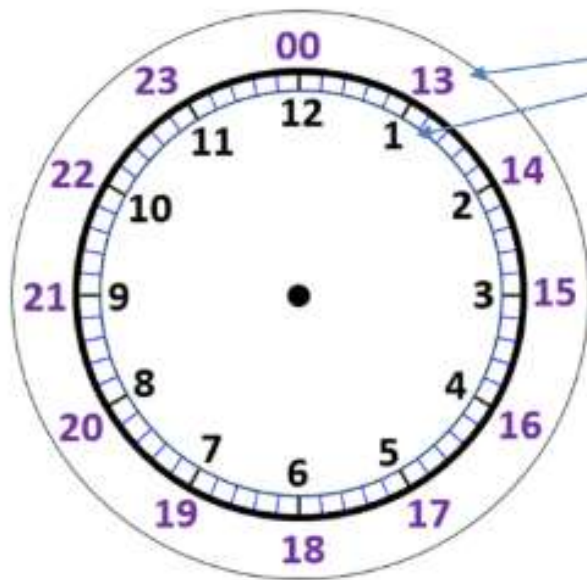
The 24 – Hour Clock

In your groups, convert these times into 24 hour clock times.

The 24 hour clock does not have am and pm times.

To change an am time to a 24 hour time, you don't need to do anything unless it is 12am in which case the hour changes to 00. Add a zero before a single digit hour.

To change a pm time to a 24 hour time, just add 12 to the hour, unless it is 12pm. If the hour is 12pm then it does not change.



1:00pm becomes 13:00 in 24 hour time.

Examples

9:05am is 09:05 9:05pm is 21:05

7:27am is 07:27 7:27pm is 19:27

12:10am is 00:10 12:10pm is 12:10

12 hour	24 hour
4:25 am	
9:20 am	
2:55 am	
11:35 am	
1:07 am	
12: 42 am	
6:13 am	

12 hour	24 hour
4:25 pm	
9:20 pm	
2:55 pm	
11:35 pm	
1:07 pm	
12: 42 pm	
6:13 pm	



Worksheet - Converting 24 – hour clock to 12 – hour clocks

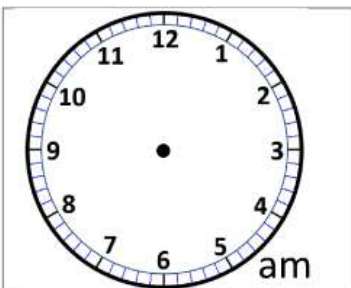
Convert these 24 hour times into am and pm times.

24 hour	12 hour
13:25	1:25 pm
10:50	
16:41	
05:37	
12:10	
09:29	
17:02	

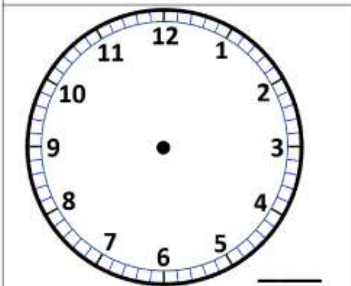
24 hour	12 hour
18:53	
22:05	
07:54	
00:17	
02:50	
21:12	
23:46	

Draw the correct time on the clock face to match the 24 hour clock time.

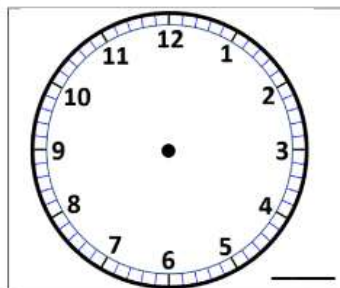
Write down 'am' or 'pm' in the bottom corner of each clock.



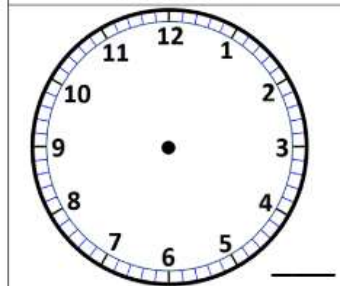
06:25



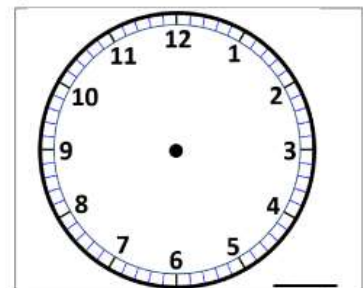
18:05



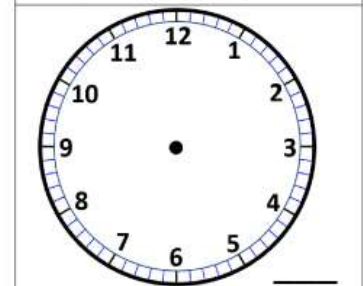
14:50



22:20



00:15



15:55



24 – Hour Time Riddle

In your groups, use the clues to find the correct clock from the 8 possibilities:

Challenge A

- I am between 8:00 and 14: 30.
- I am less than 20 minutes away from the next hour.
- I am not a pm time yet, but I shall be one in the nest two hours.
- My hour is one away from a multiple of 3.

What time am I? _____

A 9:25am	B 7:32pm	C 10:42am	D 5:17pm
E 11:54am	F 1:47pm	G 7:19pm	H 3:29pm

Challenge B

- I am between 13:30 and 19: 30.
- I am less than 15 minutes away from being a half-past time.
- I am closer to 19:00 than to 15:00.
- In 5 hour's time, I shall still be a pm time.

What time am I? _____



Elapsed Time Practice

a. 4:55 P.M. to 5:05 P.M.

b. 5:30 A.M. to 7:10 A.M.

c. 1:45 P.M. to 3:55 P.M.

d. 8:35 A.M. to 9:40 A.M.

e. 2:50 P.M. to 4:05 P.M.

f. 11:00 A.M. to 1:55 P.M.

g. 11:55 A.M. to 12:45 P.M.

h. 2:10 P.M. to 4:50 P.M.

i. 6:05 A.M. to 7:10 A.M.

j. 2:25 P.M. to 4:40 P.M.

k. 7:20 A.M. to 8:40 A.M.

l. Noon to 3:05

m. Midnight to 2:25 A.M.



Elapsed Time Worksheet

Start time



__ : __ am

End time



__ : __ am

How many hours have passed?

Start time



__ : __ pm

End time



__ : __ pm

How many hours have passed?

Start time



__ : __ am

End time



__ : __ am

How many hours have passed?



Worksheet – Got the Time?

Got the Time?



DIRECTIONS: Read each of the story problems below. Discuss in your groups paying special attention to the times mentioned in each story. Answer the question at the end of each story problem.

1. Patrick stopped at Sylvia's Soup and Salad for lunch. He stayed there until he had to leave to meet his friend, Emanuel, at the library. They were meeting at 13:30. The library is a 20-minute walk from Sylvia's. What time did Patrick have to leave the restaurant in order to get to the library right on time?
2. Tarana and Malik are going to march in the big city parade on Saturday. They have to be at the parade an hour before it starts. The parade kicks off at 11:00. If it takes 25 minutes to walk to the starting point of the parade, what time will Tarana and Malik have to leave home in order to be there right on time?
3. Cara, the owner of Cara's Cookie Jar, has to bake 12 large pans of chocolate chip cookies before she leaves for the day. She can bake two pans of cookies at a time. Cara knows that for perfect cookies each pan must bake for 15 minutes -- no more, no less. If she starts baking at 18:45, what is the earliest she can close up shop?
4. Nicholas has a busy day planned today. He will meet his friend, Alex, at the arcade. That is a 15-minute walk from home. They will stay at the arcade for an hour. Then they will take a 10-minute walk over to the park. The first thing they will do there is to grab a hot dog from Dave's Dogs hot dog truck. If Nicholas left home at 10:00 a.m., what time did he and Alex get in line for a hot dog?
5. Maria got up at 7:15 and left the house at 8:05, how long did it take her to get washed and dressed and have breakfast?
6. Simon got home at 17:30 and went to bed at 21:30, how long was he at home before he went to bed?



7. A car race began at 08:45 and finished at 14:35. How long did the race last?
8. The sun sets at 19:30 and rises again at 06:30.
 - (a) How many hours of darkness are there?
 - (b) How many hours of daylight are there?
9. A train leaves at 09:45 h and arrives at 15:46 h. How long does the journey last?
10. Use **this train timetable to answer the questions below.**

Birmingham New Street	09:40	10:05	11:05	12:35
Birmingham International	09:50	10:15	11:15	12:45
Coventry	10:10	10:30	11:30	13:00
Leamington Spa	10:25	...	11:45	13:15
Cantabury	10:45	...	12:05	...
Oxford	11:05	11:20	12:25	13:55
Reading	11:30	11:55	12:50	14:25

- (a) What time does the 09:40 from Birmingham New Street arrive at Reading?
 - (b) At how many stations does the 10:15 from Birmingham International stop before it reaches Reading?
 - (c) How long does it take the 13:55 from Oxford to reach Reading?
 - (d) You have to arrive at Oxford at 2:00 pm. Which train would you catch from Coventry?
 - (e) You get to Leamington at 09:30. How long will you have to wait for a train to Reading?
11. Now write problems of your own involving time. Swap them with your friends and solve each other's time problems.