Name: _____

Date: _____

School Name: _____

General Instructions:

Read the instructions below before answering the following questions.

1. This test contains 10 questions. Questions are taken from four strands:
   - ✓ Number,
   - ✓ Measurement,
   - ✓ Geometry
   - ✓ Statistics & Probability
   - ✓ Algebra

Space is provided for you to answer each question.

2. Questions may be anyone of the following item type: Table Grid, Single/multiple Selected Response, complete work/explanation.

3. All questions must be answered in the provided space and remember to explain your answer where it is required.

4. Read each question carefully. Then answer questions based on instructions given.

5. For each question, where options are given to choose from, indicate the answer(s) you have selected for each question by circling the corresponding letter from the given options.

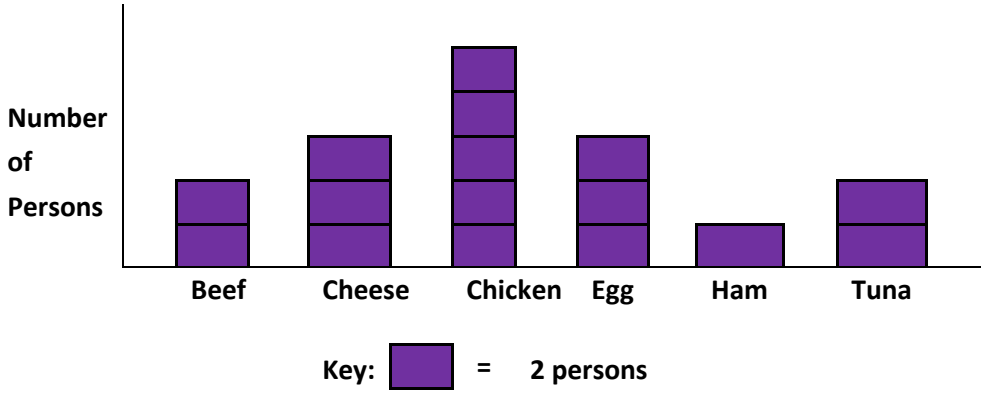
Answer ALL the questions as instructed.

Read each statement and question carefully before attempting to answer the following question.

1. Match the following 24-hour clock with the corresponding 12-hour clock.

24 hours	12 hours
12;00	4 pm
22:00	12 midnight
4:00	5 am
24:00	4 am
15:00	8 pm
5:00	10 pm
16:00	2 am
20:00	1 pm
2:00	3 pm

2. A restaurant conducted a survey to determine the best sandwiches for their breakfast menu. The results are shown in the graph below.

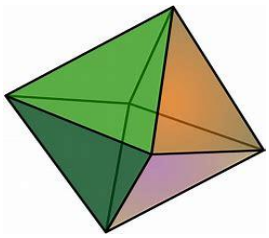
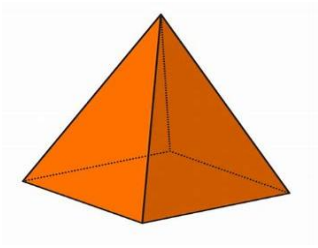
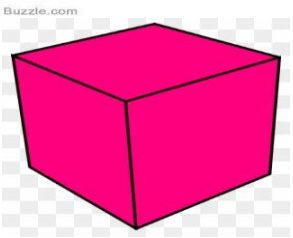
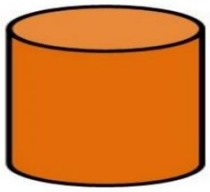
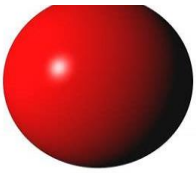
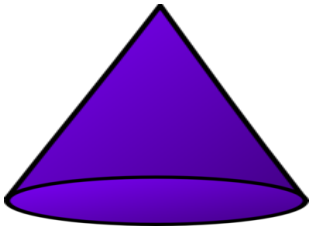


A. How many persons were surveyed?

B. How many more persons preferred chicken than beef?

C. State a possible instrument used to collect this data?

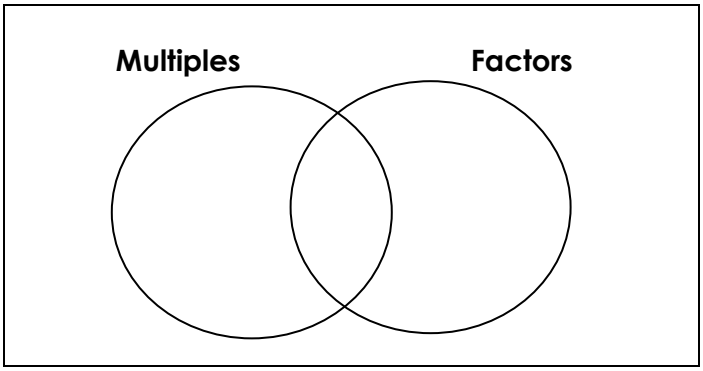
3. In the table below, the shapes on the left are Polyhedrons while the shapes on the right are Non-polyhedrons. From your observations, state a definition for the shapes called Polyhedrons.

Polyhedrons	Non-Polyhedrons
   	  

4. You are given the number 18, use this information to answer items A to D below.
   A. Identify all the factors for this number.

B. State the first 5 multiples for the number.

C. Complete the Venn diagram below based on your responses in part (A) and (B).



D. Make an inference from the Venn diagram above.

5. Kyle has $45,000 to spend on tiling his living room, which is 5 m by 9 m. Kyle chooses to buy some 45 cm by 45 cm tiles.

A. How many tiles does Kyle need to buy in order to tile the room? Take in consideration he needs to buy at least three extra tiles in case any break.

B. Given that each tile cost $145, how much would be the total cost for the tiles?

C. If the workman charges $10,000 to do the job, does Kyle have sufficient money to cover all the cost?

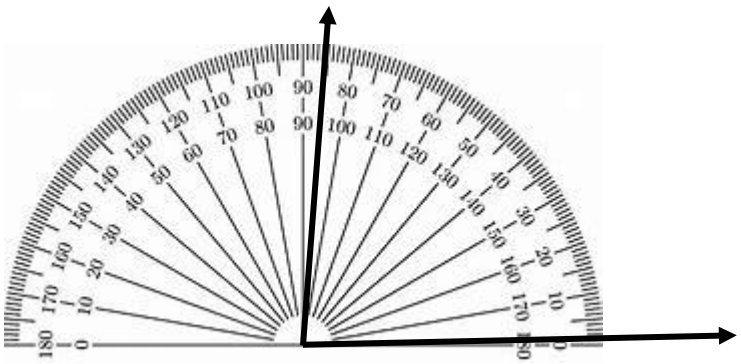
6. A small parking lot permits only bikes and cars to park. One day, there were 72 wheels in the parking lot. If 'p' represents the number of bikes and 'r' represents the number of cars, which two expressions below could be used to represent the number of vehicles in the parking lot that day?
   A. 16p + 10r
   B. 12p + 13r
   C. 28p + 4r
   D. 11p + 14r

7. Look below at examples given and state a rule to predict the number of digits in the products. Predict the number of digits for the product in "f".
   A. 10 X 10 = 100
   B. 100 X 100 = 10,000
   C. 100 X 1,000 = 100,000
   D. 124 X 10,000 = 1,240,000
   E. 24 X 100,000 = 2,400,000
   F. 416 X 1,000,000 = _____.

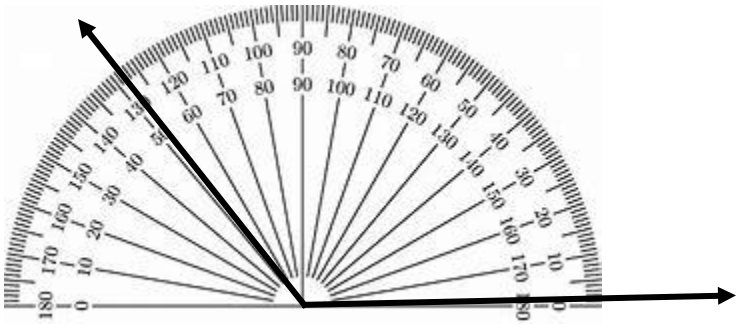
8. Jen left home and drove to work. Look at the below. What do you think happened at point C?

	A	B	C	D
Distance (Km)	0	4	0	8
Time (m)	0	30	60	120

9. State the measure of the angles for A & B below.
   A.



B.



Angle A _____.

Angle B _____.

10. A cinema sold four times as many children's tickets as adult tickets for their 5 pm movie. In all, 130 ticket were sold.
    A. Write an expression to show the information.

    B. How many were children's tickets?