

Use partitioning to answer the following multiplication problems

$25 \times 6$

$17 \times 8$

$37 \times 6$

$49 \times 5$

$72 \times 8$

$27 \times 4$

$43 \times 6$

$62 \times 3$

Use partitioning to answer the following division problems

$$612 \div 6$$

$$96 \div 8$$

$$132 \div 6$$

$$85 \div 5$$

$$69 \div 3$$

$$156 \div 4$$

$$252 \div 6$$

$$57 \div 3$$

Double these numbers

1. A trays of egg contains 30 eggs.If 19 trays were bought, how many eggs were sold?
2. Joan wants to buy 8 dolls. Each cost each cost 45 riyals.How much did she pay?
3. Hassan baked cupcakes and put them in trays. one tray can hold 10 cupcakes. He used 21 trays. How many cupcakes did he bake?
4. There are 42 boxes of counters.each box has 49 counters.how many counters are there altogether?



Have a look at these number machines and use your multiplication knowledge to fill in the missing numbers. Remember if  $3 \times 4 = 12$ , then  $0.3 \times 4 = 1.2$ ;  $0.3 \times 40 = 12$ ; and  $0.3 \times 0.4 = 0.12$

1)  $\boxed{x 0.3} \rightarrow$

6	→ 1.8
20	→ 6.0
5	→
30	→
7	→
8	→
40	→

2)  $\boxed{x 0.5} \rightarrow$

60	→ 30
2	→ 1.0
50	→
3	→
7	→
80	→
40	→

3)  $\boxed{x 0.1} \rightarrow$

6	→ 0.6
20	→
5	→
3	→
70	→
8	→
40	→

4)  $\boxed{x 7} \rightarrow$

0.4	→
→	2.1
→	3.5
0.7	→
→	6.3
0.2	→
0.8	→

5)  $\boxed{x 2} \rightarrow$

0.3	→ 0.2
0.8	→
→	1.0
0.8	→
0.2	→
0.8	→

6)  $\boxed{x 4} \rightarrow$

0.7	→
0.4	→
0.5	→
0.3	→

7)  $\boxed{x 0.8} \rightarrow$

30	→
7	→
60	→
8	→
0.4	→
90	→
5	→

8)  $\boxed{x 0.6} \rightarrow$

0.3	→
70	→
6	→
80	→
40	→
9	→
50	→

9)  $\boxed{x 0.9} \rightarrow$

0.3	→
70	→
0.6	→
80	→
40	→
9	→
50	→

### 5B. Dividing three digit by two digit numbers .

Divide :

$$1) \quad 14 \overline{)3 \ 6 \ 4}$$

$$2) \quad 21 \overline{)3 \ 5 \ 7}$$

$$3) \quad 33 \overline{)6 \ 2 \ 7}$$

$$4) \quad 25 \overline{)6 \ 2 \ 5}$$

$$5) \quad 17 \overline{)5 \ 1 \ 0}$$

$$6) \quad 24 \overline{)8 \ 1 \ 6}$$

$$7) \quad 42 \overline{)5 \ 8 \ 8}$$

$$8) \quad 34 \overline{)1 \ 7 \ 0}$$

$$9) \quad 18 \overline{)3 \ 2 \ 4}$$

$$10) \quad 54 \overline{)3 \ 2 \ 4}$$

$$11) \quad 24 \overline{)6 \ 7 \ 2}$$

$$12) \quad 31 \overline{)6 \ 8 \ 2}$$

### **3E. Mental strategies for division of two – digit numbers by single – digit numbers .**

#### **Division Worksheet**

1 a.  $41 \div \underline{\hspace{1cm}} = 6 \text{ R } 5$

1 b.  $\underline{\hspace{1cm}} \div 7 = 5 \text{ R } 4$

2 a.  $24 \div \underline{\hspace{1cm}} = 3 \text{ R } 0$

2 b.  $37 \div \underline{\hspace{1cm}} = 4 \text{ R } 5$

3 a.  $40 \div \underline{\hspace{1cm}} = 5 \text{ R } 5$

3 b.  $94 \div \underline{\hspace{1cm}} = 9 \text{ R } 4$

4 a.  $9 \div \underline{\hspace{1cm}} = 4 \text{ R } 1$

4 b.  $74 \div \underline{\hspace{1cm}} = 9 \text{ R } 2$

5 a.  $17 \div \underline{\hspace{1cm}} = 5 \text{ R } 2$

5 b.  $12 \div \underline{\hspace{1cm}} = 2 \text{ R } 2$

6 a.  $22 \div \underline{\hspace{1cm}} = 4 \text{ R } 2$

6 b.  $40 \div \underline{\hspace{1cm}} = 6 \text{ R } 4$

7 a.  $\underline{\hspace{1cm}} \div 6 = 6 \text{ R } 3$

7 b.  $47 \div \underline{\hspace{1cm}} = 7 \text{ R } 5$

8 a.  $\underline{\hspace{1cm}} \div 3 = 2 \text{ R } 1$

8 b.  $\underline{\hspace{1cm}} \div 10 = 5 \text{ R } 0$

9 a.  $63 \div \underline{\hspace{1cm}} = 9 \text{ R } 0$

9 b.  $\underline{\hspace{1cm}} \div 8 = 2 \text{ R } 0$

10 a.  $18 \div \underline{\hspace{1cm}} = 2 \text{ R } 0$

10 b.  $\underline{\hspace{1cm}} \div 6 = 7 \text{ R } 3$

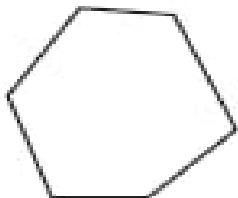
### Identifying Shapes

Write convex or concave below each polygon.

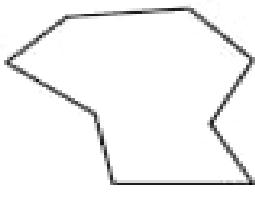
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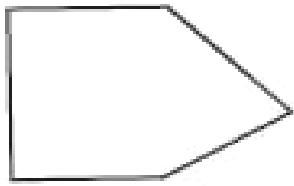
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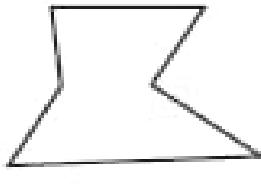
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4)



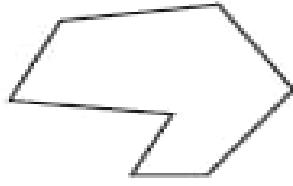
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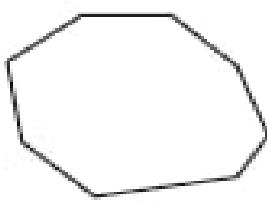
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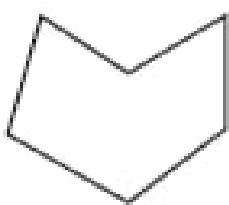
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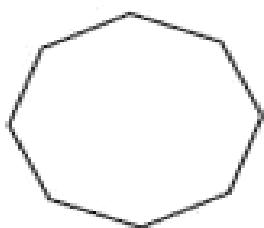
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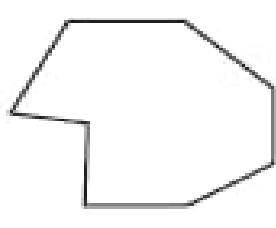
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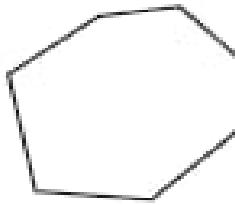
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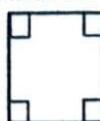
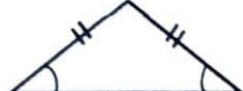
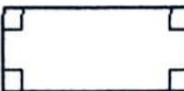
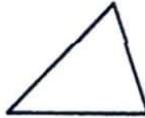
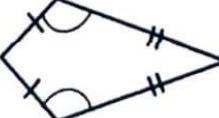
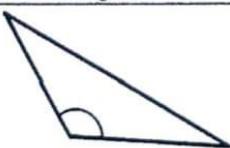
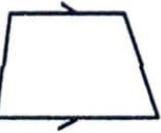
11)



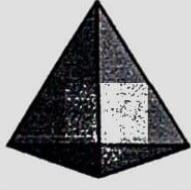
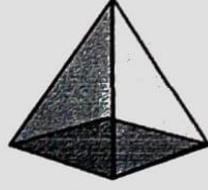
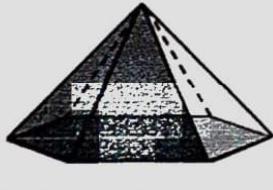
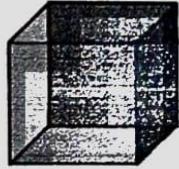
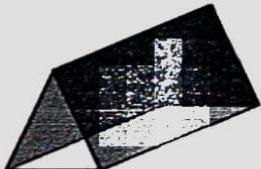
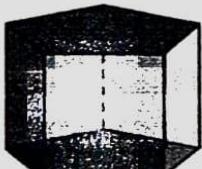
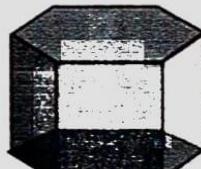
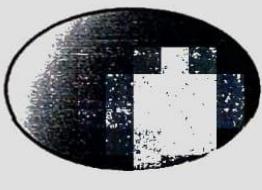
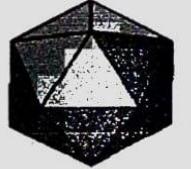
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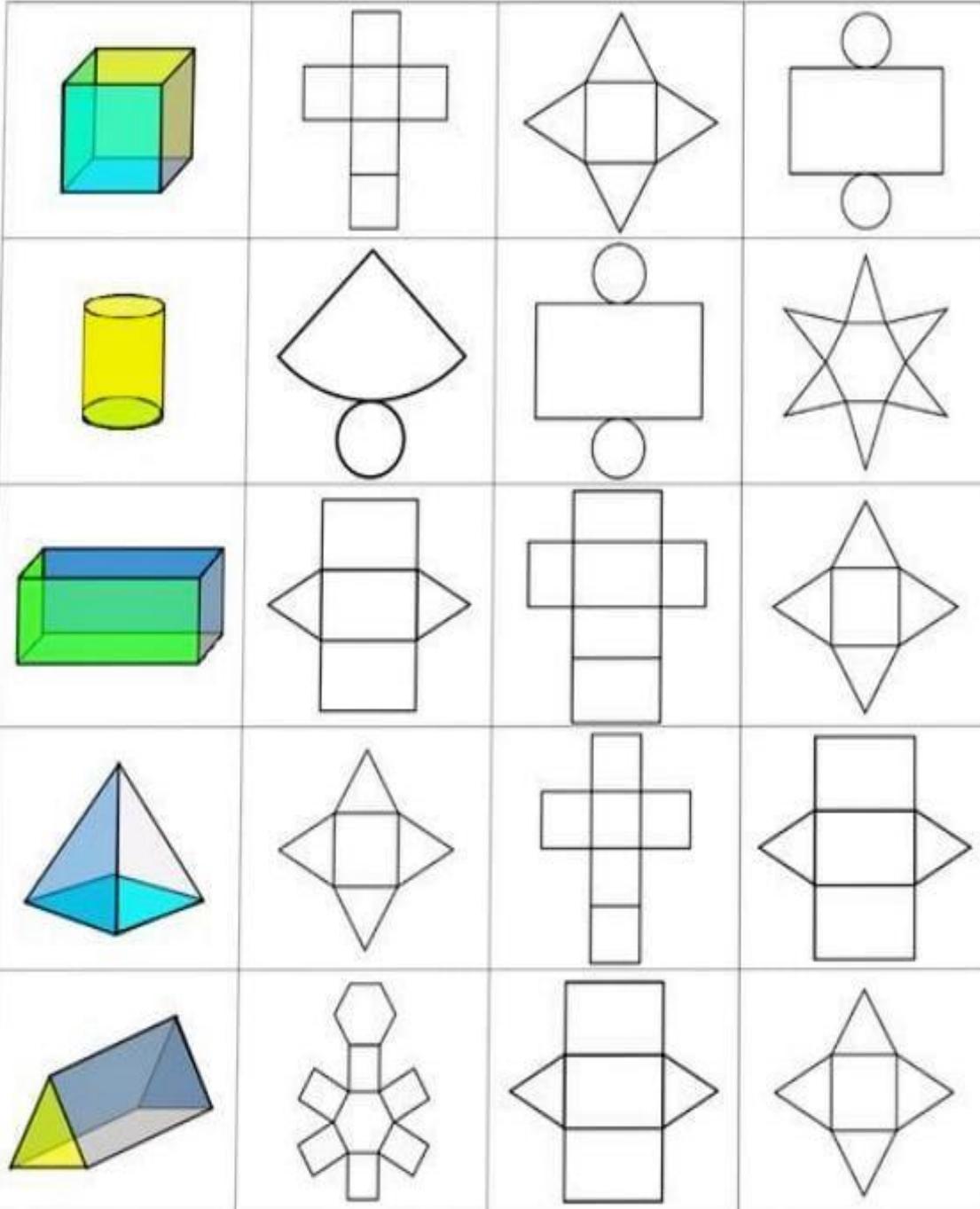
## Classifying regular polygons

TRIANGLES	QUADRILATERALS	REGULAR POLYGONS
		
<b>Equilateral triangle</b> All sides equal; interior angles 60°	<b>Square</b> All sides equal; all angles 90°	<b>Equilateral triangle</b> 3 sides; angle 60°
		
<b>Isosceles triangle</b> 2 sides equal; 2 congruent angles	<b>Rectangle</b> Opposite sides equal, all angles 90°	<b>Square</b> 4 sides; angle 90°
		
<b>Scalene triangle</b> No sides or angles equal	<b>Rhombus</b> All sides equal; 2 pairs of parallel lines; opposite angles equal	<b>Regular Pentagon</b> 5 sides; angle 108°
		
<b>Right triangle</b> 1 right angle	<b>Parallelogram</b> Opposite sides equal, 2 pairs of parallel lines	<b>Regular Hexagon</b> 6 sides; angle 120°
		
<b>Acute triangle</b> All angles acute	<b>Kite</b> Adjacent sides equal; 2 congruent angles	<b>Regular Octagon</b> 8 sides; angle 135°
		
<b>Obtuse triangle</b> 1 obtuse angle	<b>Trapezoid</b> 1 pair of parallel sides	<b>Trapezium</b> No pairs of parallel sides
		
		<b>Regular Decagon</b> 10 sides; angle 144°

## LIST OF GEOMETRIC SHAPES 3D

		
<b>Tetrahedron</b> Faces: 4; Edges: 6; Vertices: 4	<b>Square pyramid</b> Faces: 5; Edges: 8; Vertices: 5	<b>Hexagonal pyramid</b> Faces: 7; Edges: 12; Vertices: 7
		
<b>Cube</b> Faces: 6; Edges: 12; Vertices: 8	<b>Cuboid</b> Faces: 6; Edges: 12; Vertices: 8	<b>Triangular prism</b> Faces: 5; Edges: 9; Vertices: 6
		
<b>Octahedron</b> Faces: 8; Edges: 12; Vertices: 6	<b>Pentagonal prism</b> Faces: 7; Edges: 15; Vertices: 10	<b>Hexagonal prism</b> Faces: 8; Edges: 18; Vertices: 12
		
<b>Dodecahedron</b> Faces: 12; Edges: 30; Vertices 20	<b>Sphere</b> Faces: 1; Edges: 0; Vertices 0	<b>Ellipsoid</b> Faces: 1; Edges: 0; Vertices 0
		
<b>Icosahedron</b> Faces: 20; Edges: 30; Vertices: 12	<b>Cone</b> Faces: 2; Edges: 1; Vertices: 0 or 1	<b>Cylinder</b> Faces: 3; Edges: 2; Vertices: 0

For each 3d shape, shade the correct net.



Join each shape to the matching net.



○



○



○



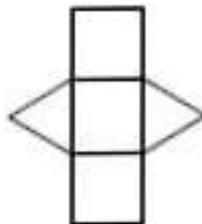
○



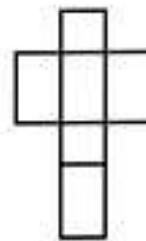
○



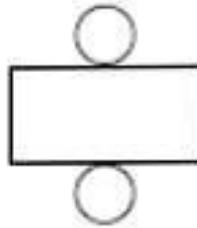
○



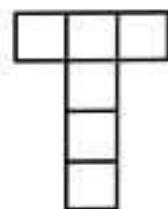
○



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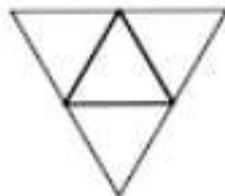
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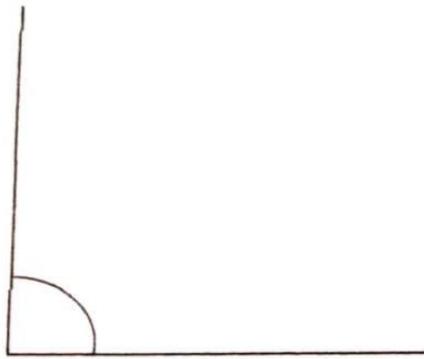
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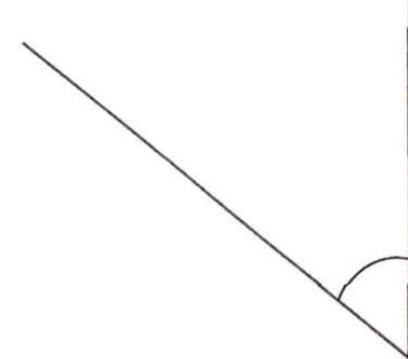
○

*Use a protractor to measure the following angles.*

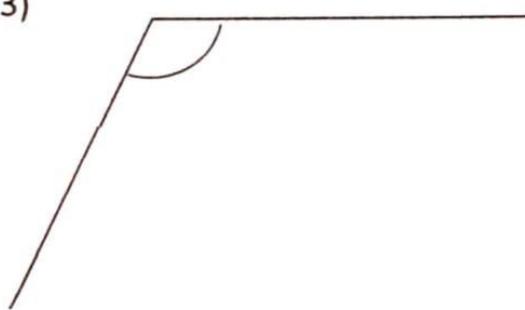
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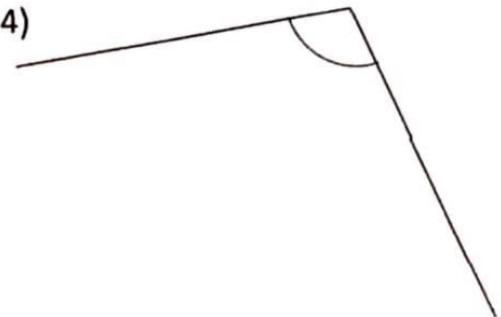
2)



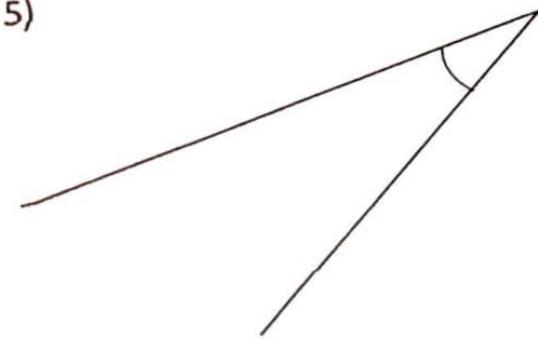
3)



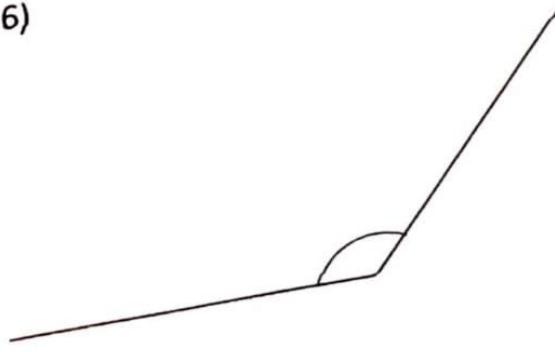
4)



5)



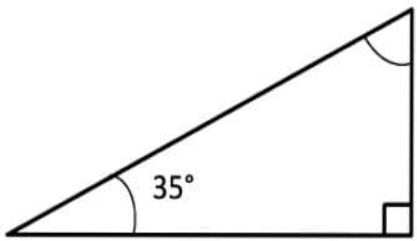
6)



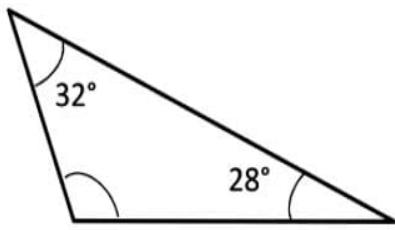
*Always measure your angles from one of the  $0^\circ$  lines on your protractor.*

Work out the missing angles. The angles are not drawn to scale, so do not try to measure them!

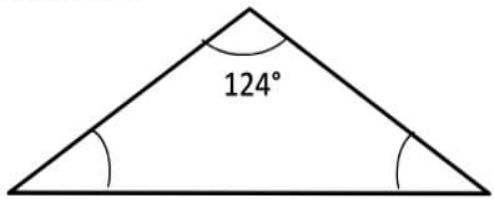
1)



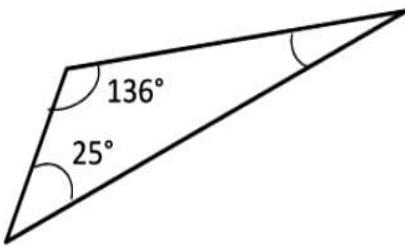
2)



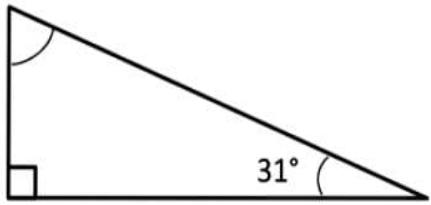
3) Isosceles



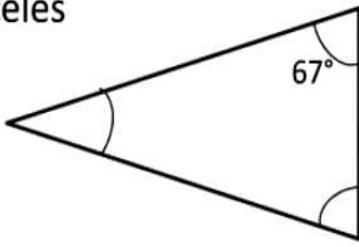
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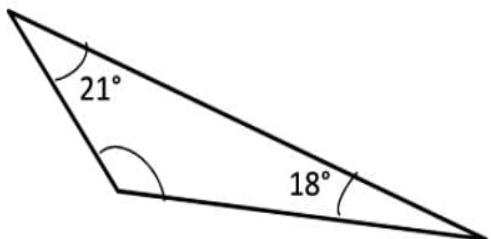
5)



6) Isosceles



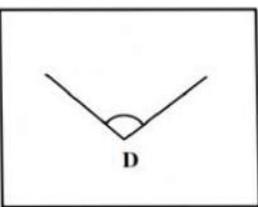
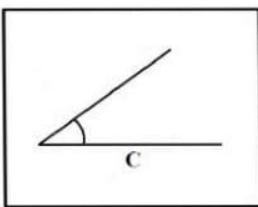
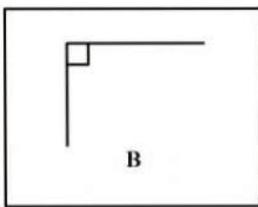
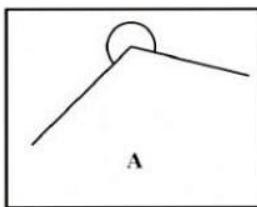
7)



8)

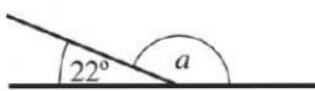


1. Name the angles below.

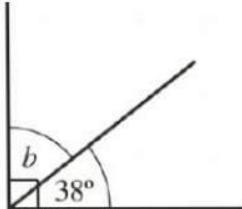


2. Find the missing angles in the questions below.

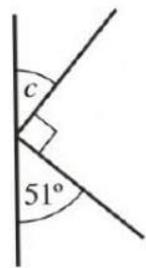
(a)



(b)



(c)

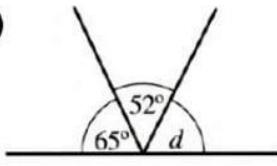


a=

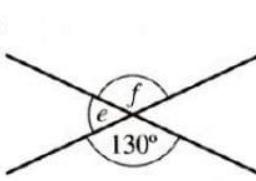
b=

c=

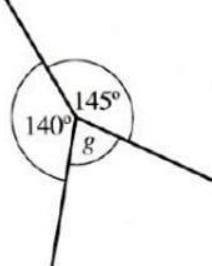
(d)



(e)



(f)



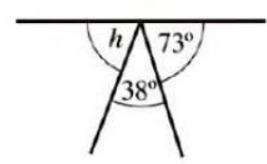
d=

e=

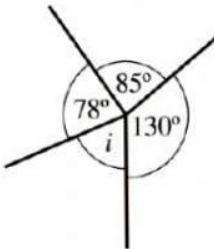
f=

g=

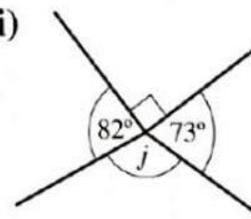
(g)



(h)



(i)



h=

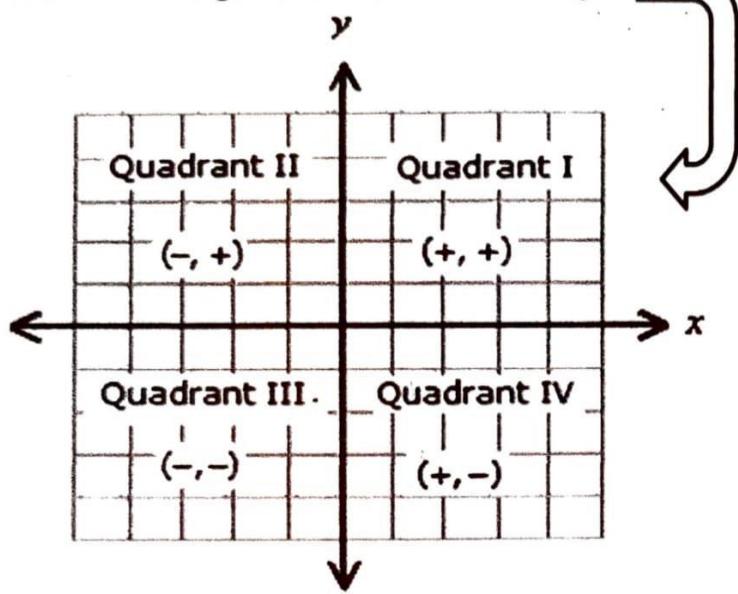
i=

j=

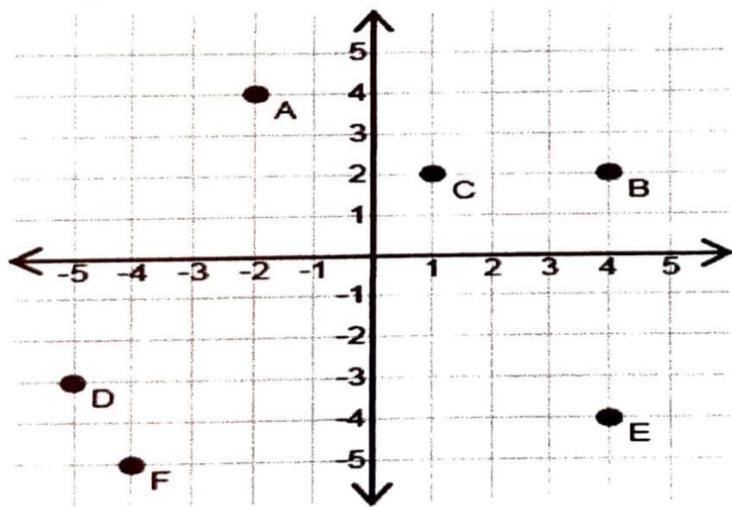
Remember... Angles on a straight line add up to  $180^\circ$

Angles around a point add up to  $360^\circ$

Note the arrangement of the coordinate grid



- Finding position and plotting coordinates as the next EXAMPLE:



$$A = (-2, 4)$$

$$C = (1, 2)$$

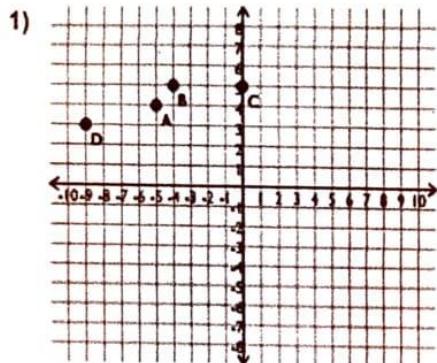
$$E = (4, -4)$$

$$B = (4, 2)$$

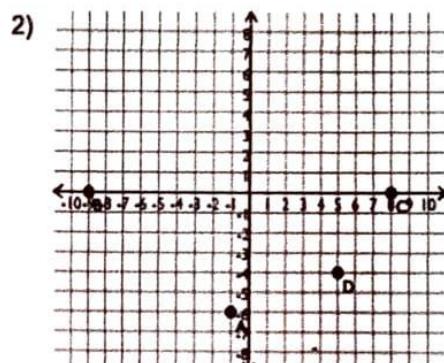
$$D = (-5, -3)$$

$$F = (-4, -5)$$

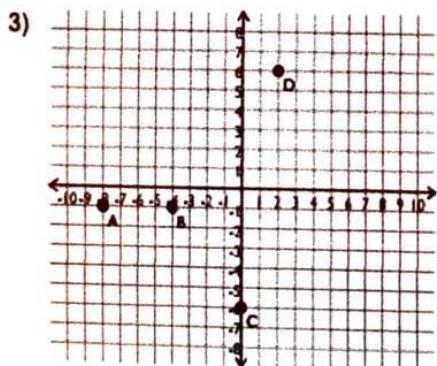
• Fill in the pair of coordinates:



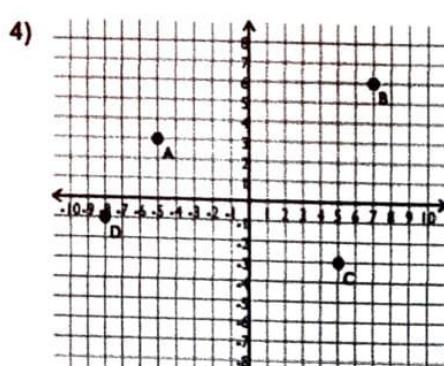
$$\begin{array}{l} A = \underline{\hspace{2cm}} \\ C = \underline{\hspace{2cm}} \end{array} \quad \begin{array}{l} B = \underline{\hspace{2cm}} \\ D = \underline{\hspace{2cm}} \end{array}$$



$$\begin{array}{l} A = \underline{\hspace{2cm}} \\ C = \underline{\hspace{2cm}} \end{array} \quad \begin{array}{l} B = \underline{\hspace{2cm}} \\ D = \underline{\hspace{2cm}} \end{array}$$



$$\begin{array}{l} A = \underline{\hspace{2cm}} \\ C = \underline{\hspace{2cm}} \end{array} \quad \begin{array}{l} B = \underline{\hspace{2cm}} \\ D = \underline{\hspace{2cm}} \end{array}$$

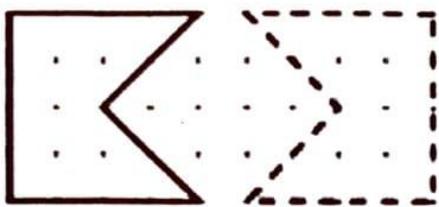


$$\begin{array}{l} A = \underline{\hspace{2cm}} \\ C = \underline{\hspace{2cm}} \end{array} \quad \begin{array}{l} B = \underline{\hspace{2cm}} \\ D = \underline{\hspace{2cm}} \end{array}$$

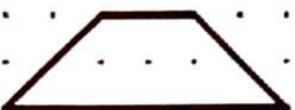


## Reflection, Rotation, Translation

a. Draw the REFLECTION of the shape.



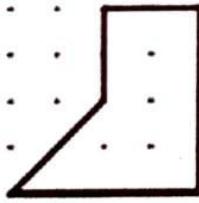
b. Draw the ROTATION of the shape.



c. Draw the TRANSLATION of the shape.



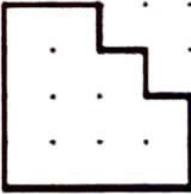
e. Draw the ROTATION of the shape.



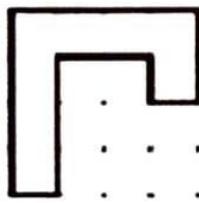
d. Draw the REFLECTION of the shape.



f. Draw the TRANSLATION of the shape.



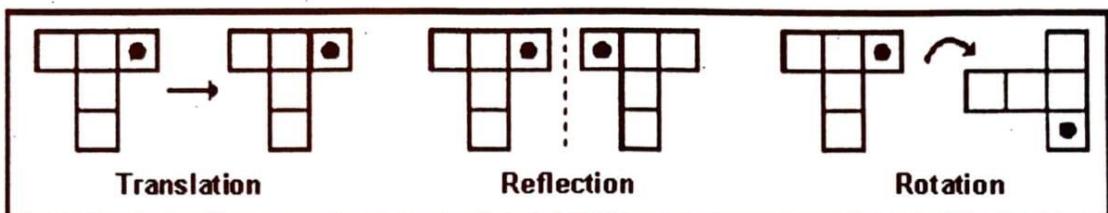
g. Draw the ROTATION of the shape.



h. Draw the REFLECTION of the shape.



## Translation, Rotation, and Reflection



Identify each shape as translation, rotation, and reflection.

- |    |       |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|-------|
| 1) |       |       |       |       |       |       |       |       |
|    | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

- Write the coordinates obtained after the given transformation:**  
 (You can use the blank coordinate grids "given next" to help you)

- 1) A(0, -3), B(0, -5), C(2, -5), D(3, -3)  
 Translate 5 units up and 4 units right

$$A': \underline{\hspace{2cm}}, B': \underline{\hspace{2cm}}$$

$$C': \underline{\hspace{2cm}}, D': \underline{\hspace{2cm}}$$

- 3) K(5, 7), L(3, 7), M(3, 5), N(6, 4)  
 Reflection across the line  $y = 2$

$$K': \underline{\hspace{2cm}}, L': \underline{\hspace{2cm}}$$

$$M': \underline{\hspace{2cm}}, N': \underline{\hspace{2cm}}$$

- 5) U(-3, 6), V(-8, 1), W(-3, 1)  
 180° rotation about the origin

$$U': \underline{\hspace{2cm}}, V': \underline{\hspace{2cm}}$$

$$W': \underline{\hspace{2cm}}$$

- 7) J(0, -8), K(2, -6), L(-2, -8), M(2, -10)  
 Translate 4 units left and 6 units up

$$J': \underline{\hspace{2cm}}, K': \underline{\hspace{2cm}}$$

$$L': \underline{\hspace{2cm}}, M': \underline{\hspace{2cm}}$$

- 2) P(-3, 3), Q(-2, 6), R(-5, 5), S(-6, 2)  
 90° counterclockwise rotation about the origin

$$P': \underline{\hspace{2cm}}, Q': \underline{\hspace{2cm}}$$

$$R': \underline{\hspace{2cm}}, S': \underline{\hspace{2cm}}$$

- 4) D(-4, -5), E(0, -5), F(-1, -3), G(-3, -3)  
 Translate 3 units left and 2 units down

$$D': \underline{\hspace{2cm}}, E': \underline{\hspace{2cm}}$$

$$F': \underline{\hspace{2cm}}, G': \underline{\hspace{2cm}}$$

- 6) Q(5, -8), R(5, -4), S(2, -4), T(2, -8)  
 Reflection across the x-axis

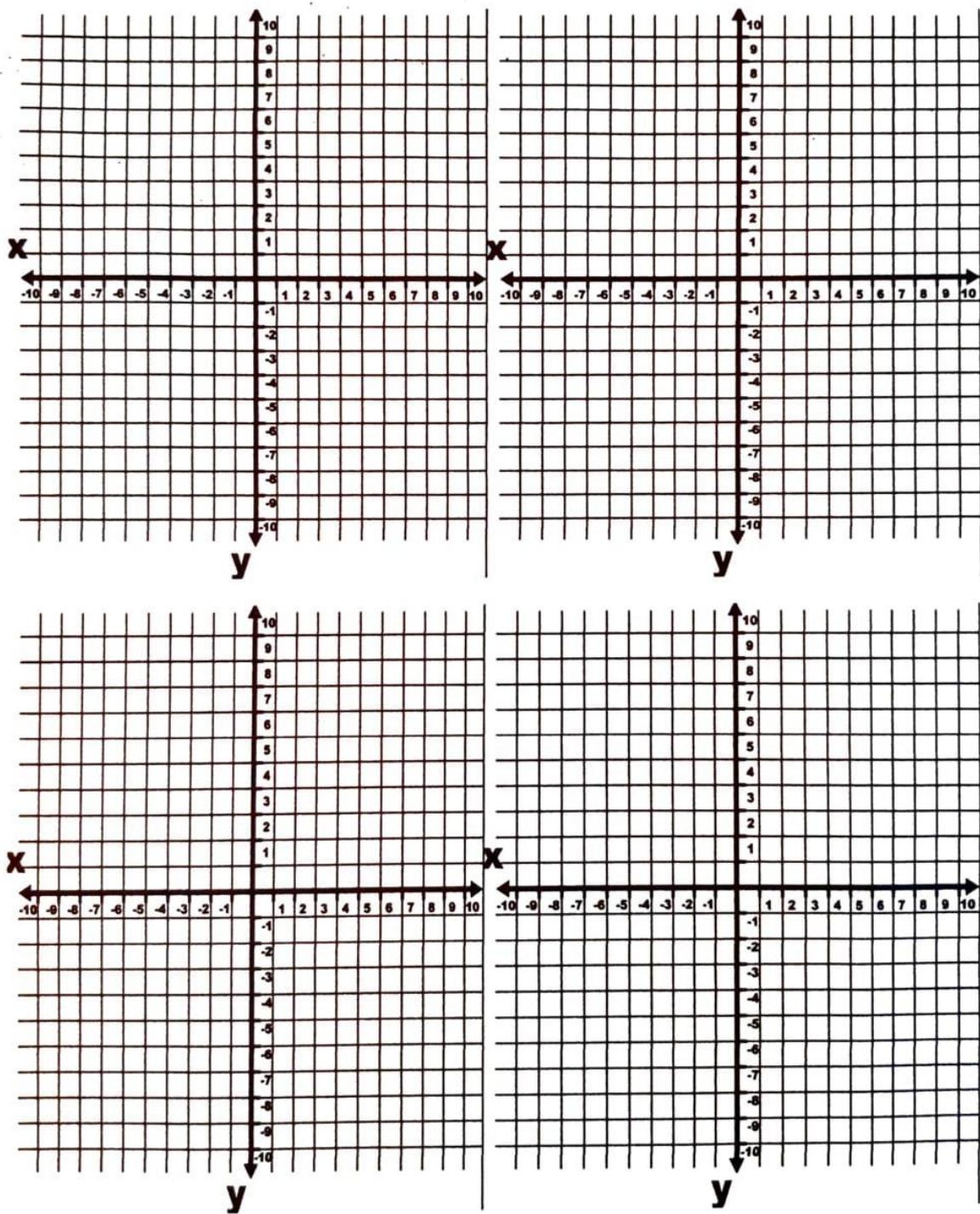
$$Q': \underline{\hspace{2cm}}, R': \underline{\hspace{2cm}}$$

$$S': \underline{\hspace{2cm}}, T': \underline{\hspace{2cm}}$$

- 8) B(6, 2), C(4, 5), D(0, 2)  
 90° clockwise rotation about the origin

$$B': \underline{\hspace{2cm}}, C': \underline{\hspace{2cm}}$$

$$D': \underline{\hspace{2cm}}$$



- **Conversion between METRIC units to IMPERIAL units of measurement:**

Metric units	Imperial units
1 cm	0.4 inch
1 m	1.1 yards
1 km	0.625 miles
10 g	0.3 ounces
1 kg	2.2 pounds
1 litre	1.8 pints

- **Complete the following:**

- a) 10.5 gram = \_\_\_\_\_ ounces
- b) 9.5 yards = \_\_\_\_\_ meters
- c) 4.5 kilogram = \_\_\_\_\_ pounds
- d) 20 yards = \_\_\_\_\_ meters
- e) 3.5 centimeters = \_\_\_\_\_ inches
- f) 1 kilometer = \_\_\_\_\_ miles
- g) 13 liters = \_\_\_\_\_ pints
- h) 100 gram = \_\_\_\_\_ ounces
- i) 273 meters = \_\_\_\_\_ yards

- **Conversion table:**
- 

<b>Length</b>	
1 km	1000 m
1 m	100 cm
1 cm	10 mm
<b>Capacity</b>	
1 l	100 cl
1 l	1000 ml
1 cl	10 ml
<b>Weight</b>	
1 kg	1000 g
1 g	1000 mg

## Miles to Kilometers

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Fill in the correct numbers.

Take 1 mile = 1.61 km and round your answers off to the nearest hundredth.

8 miles =

km

3 miles =

km

4 miles =

km

5 miles =

km

7 miles =

km

6.2 miles =

km

0.2 miles =

km

15 miles =

km

1.5 miles =

km

0.7 miles =

km

6 miles =

km

1.25 miles =

km

If 1 mile = 1.61 km, 1 km = 1/1.61 = 0.6211 miles

30 km =

miles

1.8 km =

miles

140 km =

miles

15.5 km =

miles

300 km =

miles

80 km =

miles

170 km =

miles

13.5 km =

miles

280 km =

miles

39 km =

miles

150 km =

miles

147 km =

miles

## Mass Word Problems

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Solve the following word problems. Show number sentence and your workings.

- Yesterday I bought 3.2 kilograms of grapes and ate half of it. How many grams of grapes did I have left?



- Cindy packed 4.5 kilograms of sugar equally into 5 bags. How much sugar in grams was there in each bag?



- The mass of 1 chocolate bar is 0.1 kilogram. What is the mass of 30 chocolate bars?

- John, Peter and Mike weigh 200 kg altogether? John weighs 80 kg. John is twice as heavy as Mike. What's Peter weight?



- The total mass of 4 identical toy cars is 2.4 kilograms. What is the mass of 12 such toy cars in grams?

- Mrs Rapple packed 2.4 kilograms of salt equally into 8 bags. How many grams of salt was there in each bag?

• Convert between the following metric units:

- 1) 646.63 meters to centimeters \_\_\_\_\_
- 2) 424.47 centimeters to meters \_\_\_\_\_
- 3) 710.22 meters to millimeters \_\_\_\_\_
- 4) 319.11 millimeters to meters \_\_\_\_\_
- 5) 487.48 kilometers to meters \_\_\_\_\_
- 6) 591.84 meters to kilometers \_\_\_\_\_
- 7) 567.95 centimeters to millimeters \_\_\_\_\_
- 8) 456.69 millimeters to centimeters \_\_\_\_\_
- 9) 662.17 liters to milliliters \_\_\_\_\_
- 10) 508.92 milliliters to liters \_\_\_\_\_
- 11) 632.83 grams to milligrams \_\_\_\_\_
- 12) 755.34 milligrams to grams \_\_\_\_\_
- 13) 624.13 kilograms to milligrams \_\_\_\_\_
- 14) 522.54 milligrams to kilograms \_\_\_\_\_
- 15) 648.16 meters to centimeters \_\_\_\_\_
- 16) 321.14 centimeters to meters \_\_\_\_\_
- 17) 291.82 meters to millimeters \_\_\_\_\_
- 18) 705.69 millimeters to meters \_\_\_\_\_
- 19) 314.68 kilometers to meters \_\_\_\_\_
- 20) 418.42 meters to kilometers \_\_\_\_\_

## Liter Milliliter Conversions

Note: 1 L = 1000 mL

### Convert liters to mililiters

1. 5 L = .....mL

2. 8 L = .....mL

3. 6 L = .....mL

4. 2 L = .....mL

5. 10 L = .....mL

6. 9 L = .....mL

7. 3 L = .....mL

8. 11 L = .....mL

9. 7 L = .....mL

10. 4 L = .....mL

### Convert mililiters to liters

1. 2000 mL = .....L

2. 5000 mL = .....L

3. 7000 mL = .....L

4. 4000 mL = .....L

5. 9000 mL = .....L

6. 10,000 mL = .....L

7. 3000 mL = .....L

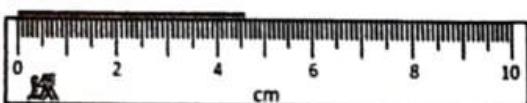
8. 6000 mL = .....L

9. 8000 mL = .....L

10. 12,000 mL = .....L

• Read the following scales:

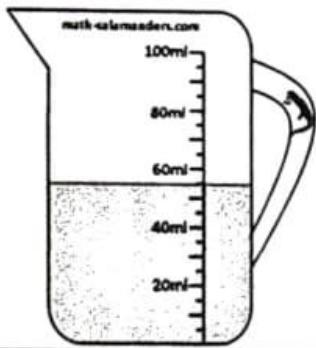
1) How long? \_\_\_\_\_



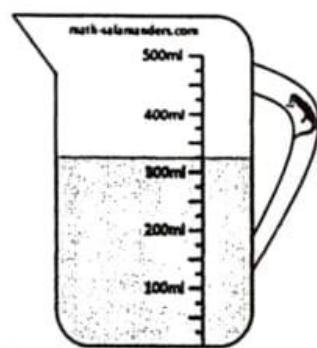
2) How long? \_\_\_\_\_



3) How much? \_\_\_\_\_



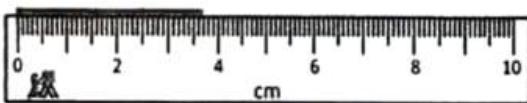
4) How much? \_\_\_\_\_



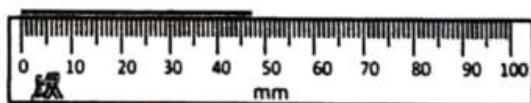
5) How much? \_\_\_\_\_



6) How long? \_\_\_\_\_



7) How long? \_\_\_\_\_



8) How heavy? \_\_\_\_\_



9) How heavy? \_\_\_\_\_



10) How heavy? \_\_\_\_\_



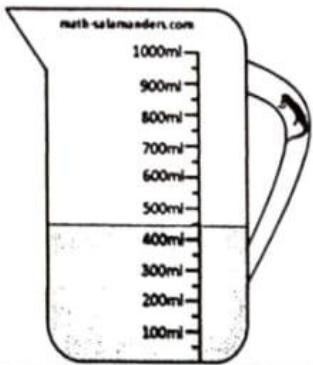
1) How long? \_\_\_\_\_



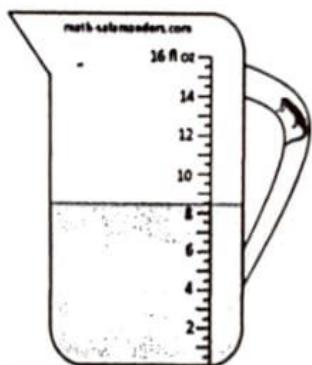
2) How long? \_\_\_\_\_



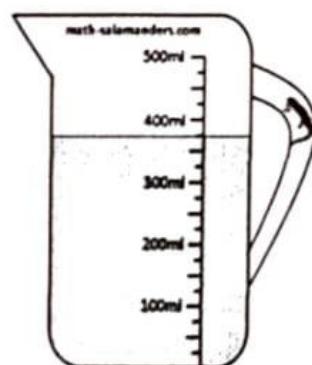
3) How much? \_\_\_\_\_



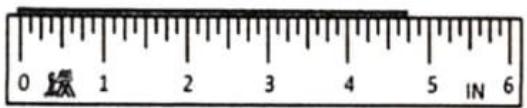
4) How much? \_\_\_\_\_



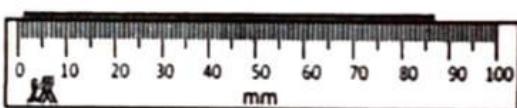
5) How much? \_\_\_\_\_



6) How long? \_\_\_\_\_



7) How long? \_\_\_\_\_



8) How heavy? \_\_\_\_\_



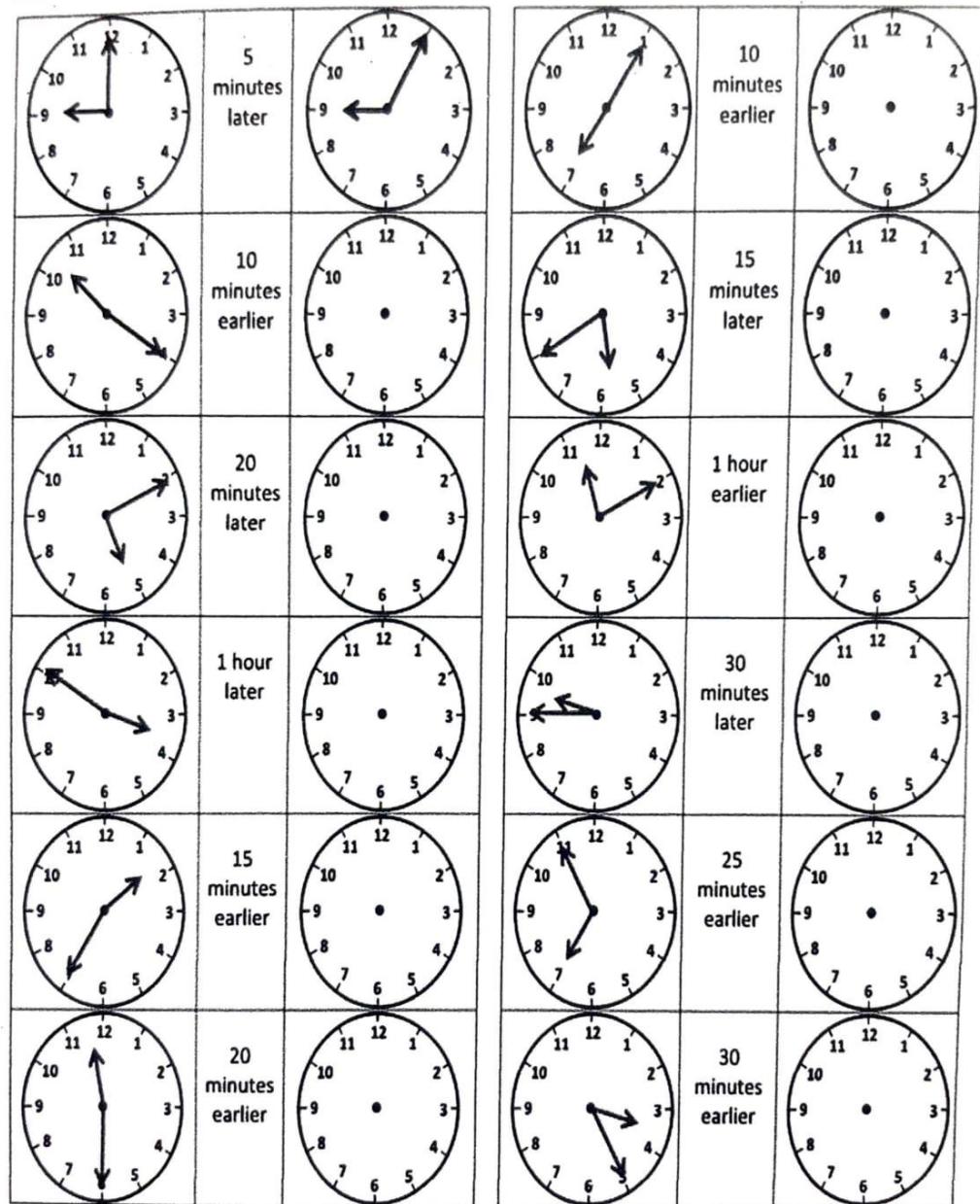
9) How heavy? \_\_\_\_\_



10) How heavy? \_\_\_\_\_

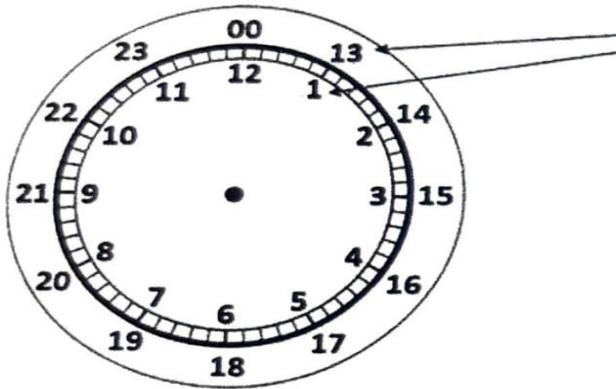


• **Tell the time:**



To convert a 24 hour time to a 12 hour time, follow the simple steps below:

- If the hour is exactly 12, then simply label it as a pm time.
- If the hour is 00, then change it to 12 and label it as an am time.
- If the hour is greater than 12, then simply subtract 12 from the hour and label it as a pm time.
- Otherwise, simply label it as an am time and take away any leading zeroes.



13:00 becomes 1pm when we subtract 12 from the hour.

Examples

22:30 becomes 10:30pm

06:45 becomes 6:45am

12:32 becomes 12:32pm

00:17 becomes 12:17am

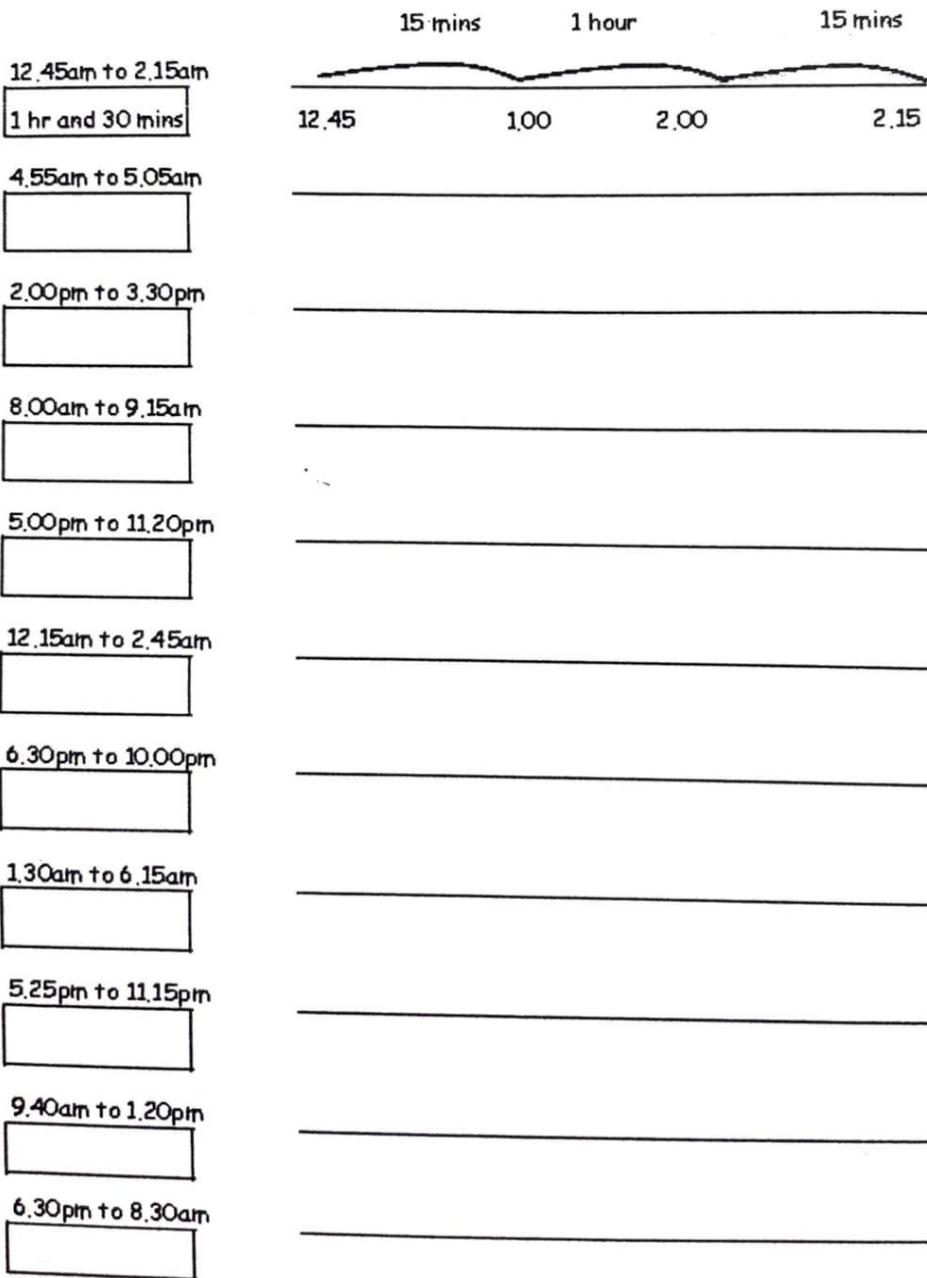
Convert these 24 hour times into am and pm times.

24 hour	12 hour
13:25	1:25pm
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	



• Calculate time intervals:





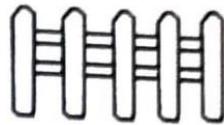
## AREA & PERIMETER CHALLENGE 2

Captain Salamander has 12m of fencing that he wants to make into a rectangular pen to put in his garden to keep the predators out.

He wants to enclose the **biggest** area possible.

Draw 3 different pens that he could make.

Which pen has the biggest area?



What if Captain Salamander had 20m of fencing instead of 12m?



## AREA & PERIMETER CHALLENGE 1

Do two rectangles with the same area have the same perimeter?

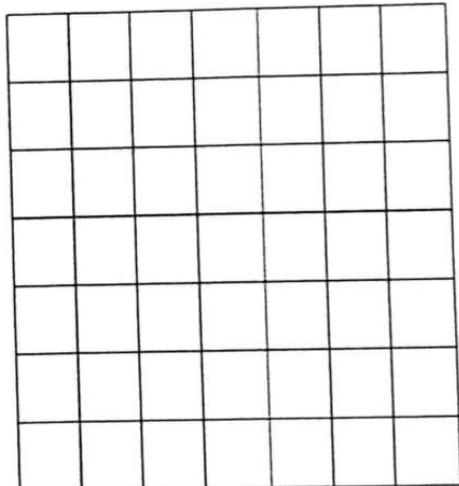
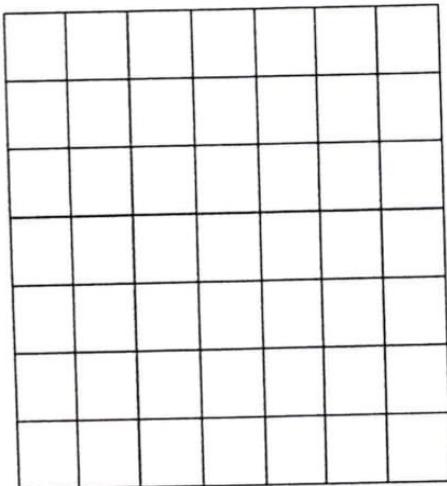
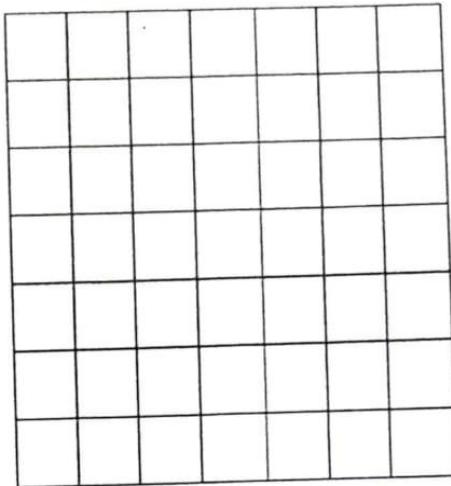
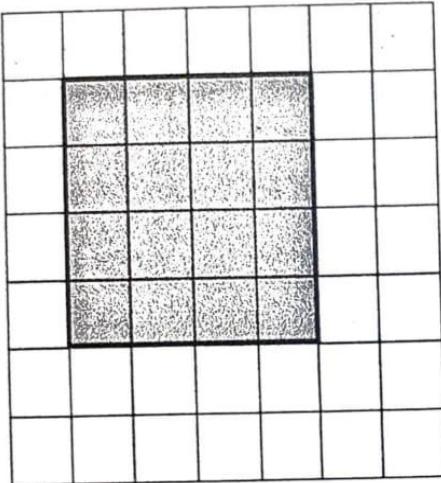
Draw 2 different rectangles that have an area of 8 cm. Calculate the perimeter of each. What do you notice?

Draw 3 different rectangles with an area of 12 cm. Calculate the perimeter of each.

## AREA & PERIMETER CHALLENGE 3



Draw 3 different rectangles with the same perimeter as this square.



Find the areas of your rectangles. What do you notice?

Is it possible to find a rectangle the same perimeter as this square but a larger area?

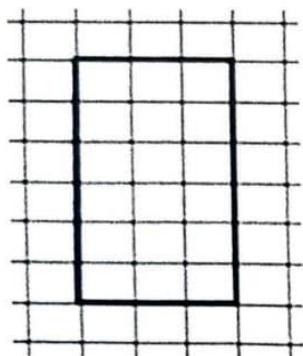
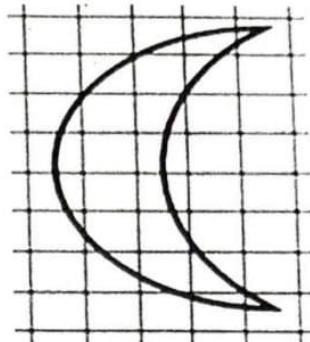
Explain your answer.

## Review



What is the area of the moon?

\_\_\_\_\_ cm<sup>2</sup>

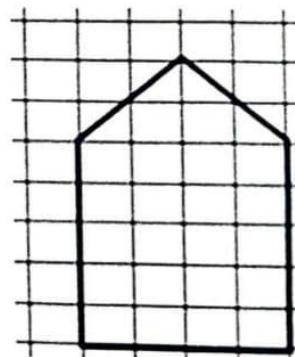


What is the area of the rectangle?

\_\_\_\_\_ cm<sup>2</sup>

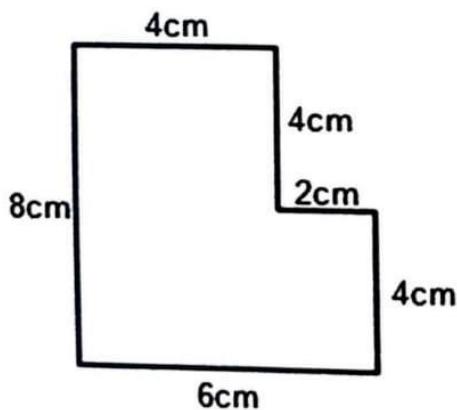
What is the perimeter of the rectangle?

\_\_\_\_\_ cm



What is the area of the house?

\_\_\_\_\_ cm<sup>2</sup>



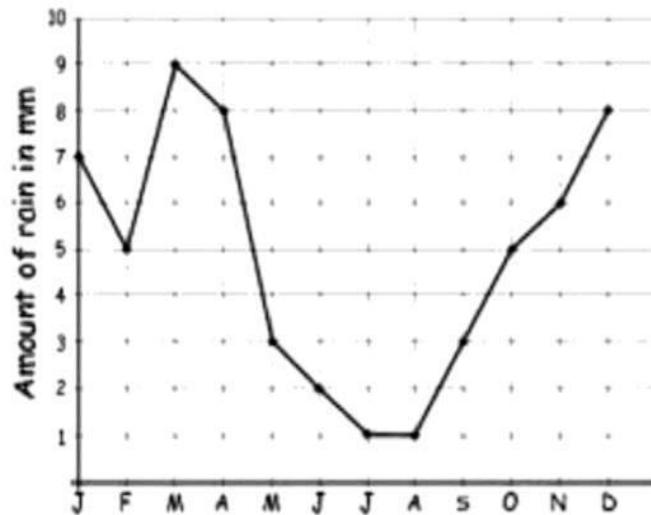
What is the area of the compound shape?

\_\_\_\_\_ cm<sup>2</sup>

What is the perimeter of the compound shape?

\_\_\_\_\_ cm

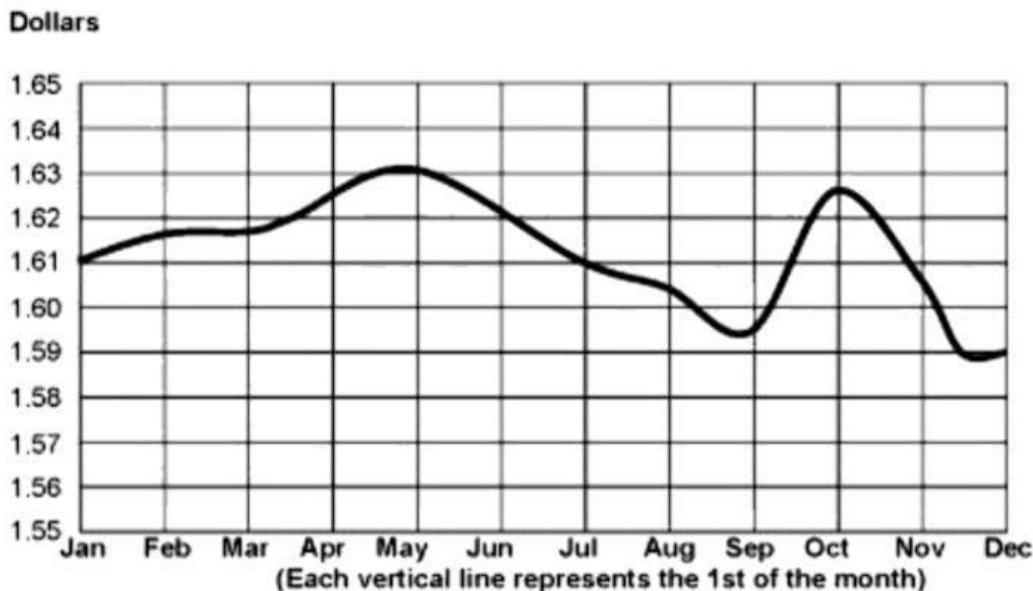
Look at the line graph below. It tells us how much rain fell in Manchester during a year.



Answer the following questions:

- 1) Which month had the most rain? \_\_\_\_\_
- 2) Which 2 months were the driest? \_\_\_\_\_
- 3) In which month did they have 5mm of rain? \_\_\_\_\_
- 4) How much rain fall in October? \_\_\_\_\_
- 5) How much rain fall in April? \_\_\_\_\_
- 6) Which two months had 3mm of rainfall? \_\_\_\_\_
- 7) How much more rain did they have in March than February?  
\_\_\_\_\_

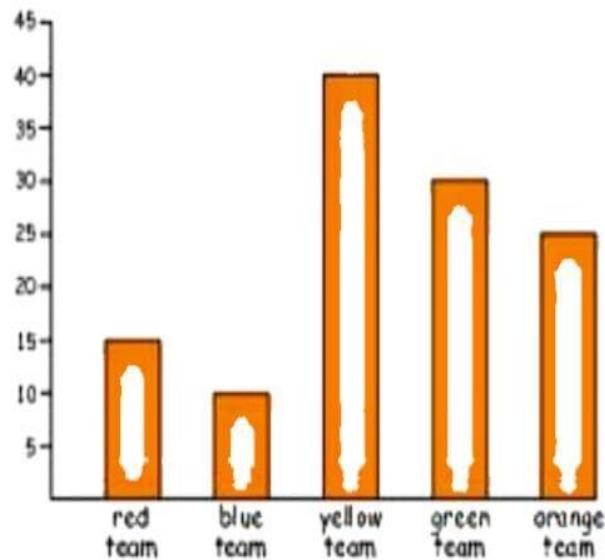
1. Here is a graph showing how the value of the US Dollar changed over one year compared to the value of the pound (£).



Now answer the following questions:

- What was the value of the pound in dollars on 1st January?
- What was the value of the pound in dollars on 1st July?
- What was the value of the pound in dollars on 1st May?
- How many dollars would you have received for one pound on 15th June?
- How many dollars would you have received for one pound on 15th March?
- What was the value of the pound on 1st September?
- What was the value of the pound on 1st April?
- Mike wanted to buy a telescope from America. He had £100 to spend. What was this in dollars on 1st October?
- Jane had £200. How much **more** was this worth in dollars on 1st October than it was on 1st September.

The children in year 5 had a general knowledge quiz at the end of term. Below is a bar chart of the 5 teams results:

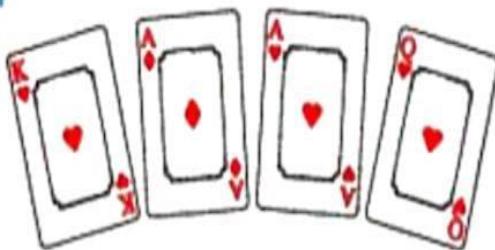


Answer the following questions:

- 1) Which team won the quiz? \_\_\_\_\_
- 2) Which team answered the least questions correctly? \_\_\_\_\_
- 3) Which team came 3rd in the quiz? \_\_\_\_\_
- 4) What score did the red team get? \_\_\_\_\_
- 5) What score did the green team get? \_\_\_\_\_
- 6) How many questions were answered correctly altogether?  
\_\_\_\_\_

15, 23, 19, 20, 23	5)	22, 37, 19, 25, 37, 51, 82	
15, 19, 20, 23, 23	order		
Mean $100 \div 5 = 20$	Median <u>20</u>	Mean	Median
Mode <u>23</u>	Range $23 - 15 = 8$	Mode	Range
2, 7, 4, 2, 3, 6, 11	6)	6, 2, 13, 7, 6, 11, 10, 6, 2	
	order		
Mean	Median	Mean	Median
Mode	Range	Mode	Range
70, 63, 67, 62, 63	7)	109, 104, 96, 103, 104, 107, 98	
	order		
Mean	Median	Mean	Median
Mode	Range	Mode	Range
11, 4, 7, 8, 2, 6, 4	8)	14, 68, 38, 65, 36, 57, 65	
	order		
Mean	Median	Mean	Median

Look at these cards and answer the questions:  
e.g. getting a king 1 in 4



1) What is the chance of getting a picture card, a Jack and an ace? \_\_\_\_\_

2) What chance is there of getting a red card? \_\_\_\_\_

3) What chance is there of getting a king? \_\_\_\_\_

4) What chance is there of getting an ace? \_\_\_\_\_

Look at the spinner below and answer the questions:



5) What is the most likely number you will spin? \_\_\_\_\_

6) What is the chance of spinning a 1? \_\_\_\_\_

7) What is the chance of spinning a 4? \_\_\_\_\_

8) What is the chance of spinning a 3? \_\_\_\_\_