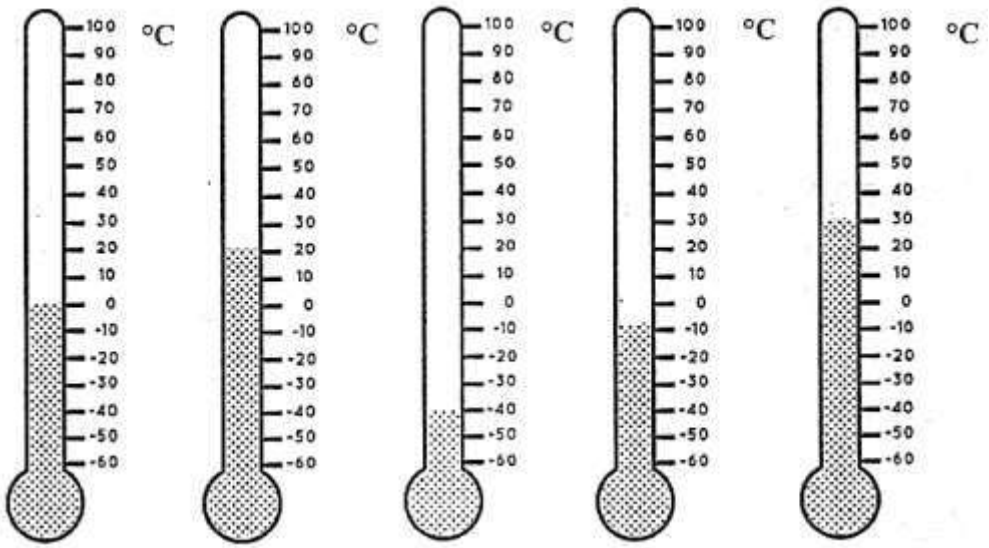
Math Paper Grade 4

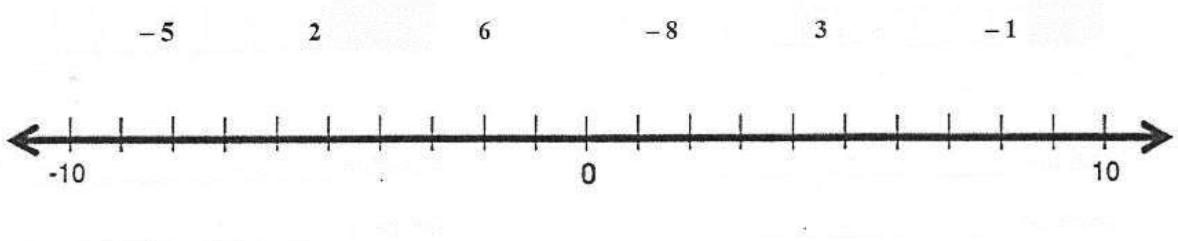
1.a) What temperature is shown on each thermometer?



i. _____ ii. _____ iii. _____ iv. _____ v. _____

b) Put a tick on the thermometer with the coldest temperature and circle the one with the warmest temperature.

2. Show these numbers on the number line.



3. Look at the given pattern.

24, 30, 36, 42

a) These all are multiples of _____. b) The pattern is _____.

4. a) What is the next two numbers in this sequence.

25 31 37 43 ____ ____

b) Write the rule for this sequence _____

5. What is the worth of digit 4 in each of these numbers?

a) 62.24 _____ b) 52.45 _____

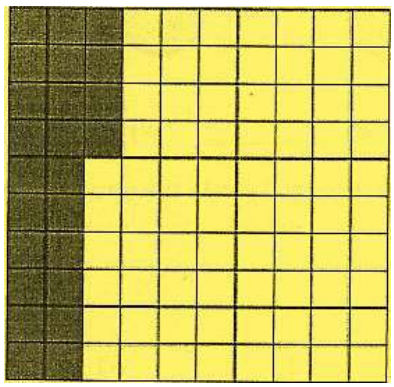
c) 42.5 _____ d) 14.03 _____

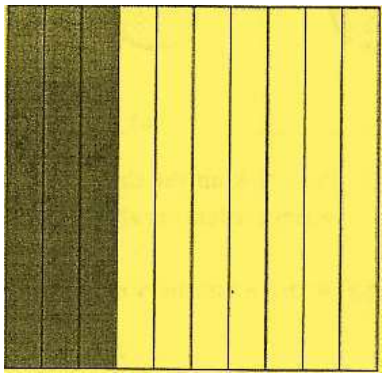
6. Arrange these numbers from least to greatest.

52.2 43.2 51.2 65.6

_____

7. Write the fractions and decimals for the shaded parts.





a) Fraction _____ b) Fraction _____

Decimal _____ Decimal _____

8. Change these into cents.

a) $4.50 _____ b) 2.35 _____

c) $3.65 _____ d) $4.00 _____

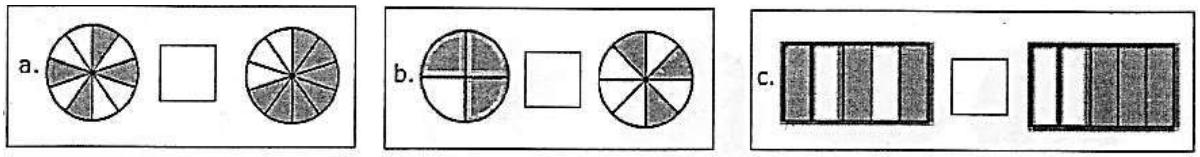
9. Round **42.3** to the nearest whole number.

_____

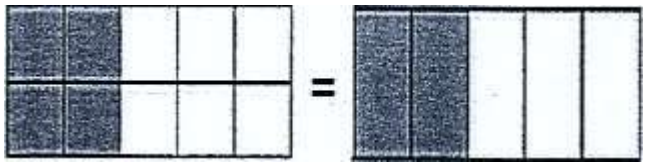
10. Circle all the decimals that will equal to 2m when rounded to the nearest meter.

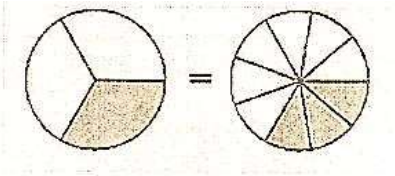
1.83m 1.03m 2.23m 2.97m 1.50m

11. Use the < or > symbol to show which fraction is smaller or larger.



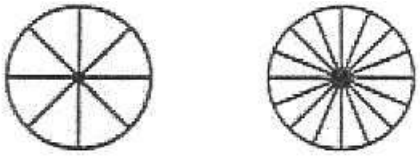
12. Look at the shaded part of these shapes and write equivalent fractions.

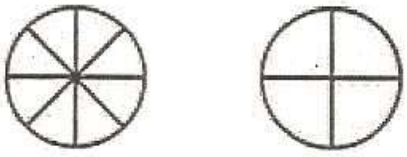




$\frac{\quad}{\quad} = \frac{\quad}{\quad}$ $\frac{\quad}{\quad} = \frac{\quad}{\quad}$

13. Find missing numbers in each pair of equivalent fractions and shade.





$\frac{7}{8} = \frac{\quad}{16}$ $\frac{6}{8} = \frac{\quad}{4}$

14. Order each group of fractions from smallest to largest. One fraction is worth less than half, one fraction is worth a half and one fraction is worth more than half.

a) $\frac{7}{8}$ $\frac{2}{6}$ $\frac{1}{2}$

_____

b) $\frac{1}{3}$ $\frac{2}{4}$ $\frac{6}{7}$

_____

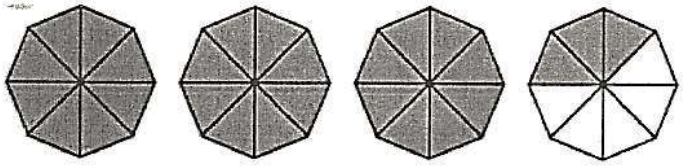
c) $\frac{3}{8}$ $\frac{3}{6}$ $\frac{2}{3}$

_____

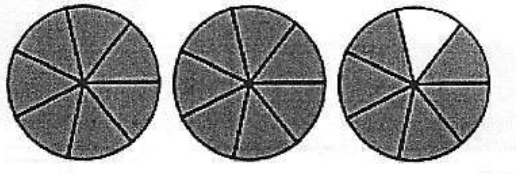
d) $\frac{7}{8}$ $\frac{5}{10}$ $\frac{3}{8}$

_____

15. Write mixed number.



= _____



= _____

16. Order these fractions from largest to smallest.

a) $\frac{5}{9}$ $\frac{1}{9}$ $\frac{7}{9}$

_____

b) $\frac{2}{7}$ $\frac{1}{7}$ $\frac{5}{7}$

_____

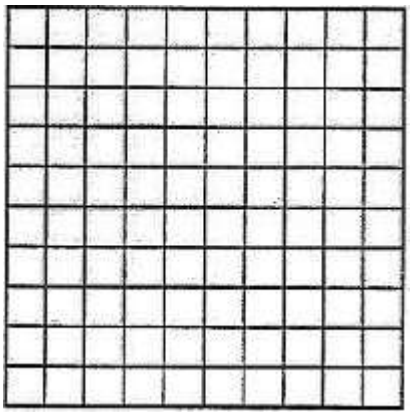
c) $\frac{8}{10}$ $\frac{2}{10}$ $\frac{6}{10}$

_____

d) $\frac{10}{12}$ $\frac{2}{12}$ $\frac{11}{12}$

_____

17. Colour half of this grid. Write the fraction and decimal for the shaded part.



Fraction _____

Decimal _____

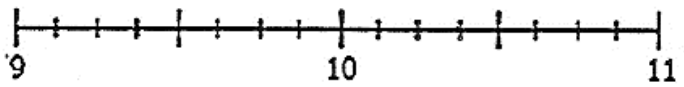
18. Write these decimals as fraction.

a) 0.25 _____

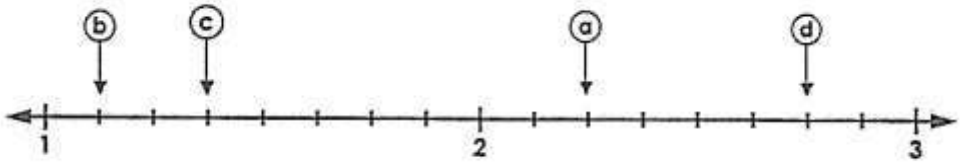
b) 0.75 _____

19. a) Use the letters on the number line to place the mixed numbers to its correct place on the number line.

A = $9\frac{2}{8}$ B = $9\frac{3}{4}$ C = $10\frac{1}{2}$ D = $10\frac{7}{8}$



b) Write the fractions for the letters on the number line.



a = _____ b = _____ c = _____ d = _____

20. Solve.

a) $\frac{1}{4}$ of 36 = _____

b) $\frac{1}{7}$ of 49 = _____

c) $\frac{1}{3}$ of 27 = _____

d) $\frac{1}{6}$ of 18 = _____

21. Complete the table.

Words	Decimal	Fraction
		$\frac{1}{2}$
Three quarters		
	0.25	
Two tenths		

22. Barbara has a ribbon that is 32 *cm* long. She cuts it into eighths. How long will each eighth be?

_____ *cm*

23. Write out these calculations vertically and then work out the answers.

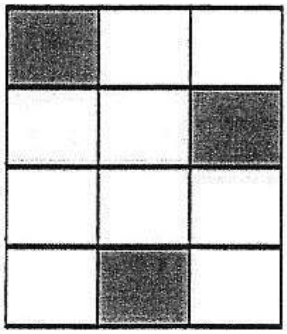
678 + 543 =

874 + 348 =

701 – 589 =

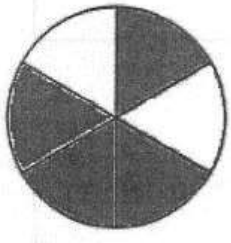
923 – 899 =

24. Write two fractions for this shape, then write the addition sentence for it to make 1.

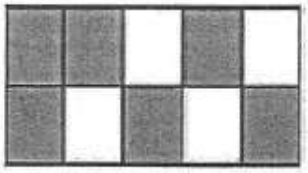


— + — = 1

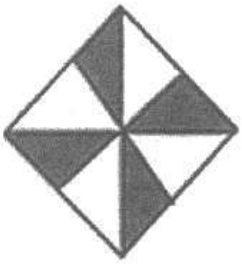
25. Complete these calculations.



$\frac{4}{6}$ + — = 1



— + — = 1



— + — = 1

26. Use your preferred method to work out the answers to these multiplications.

a) 25 × 9 = _____ b) 36 × 7 = _____

c) 52 × 3 = _____ b) 14 × 6 = _____

27. Workout these divisions.

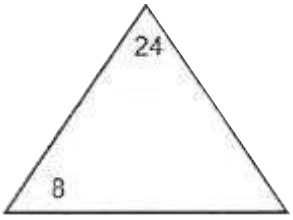
a) 48 ÷ 3

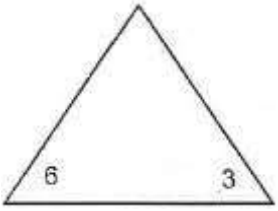
b) 87 ÷ 5

c) 48 ÷ 9

d) 64 ÷ 8

28. Write one multiplication and one division fact for each of the fact triangle.





□ × □ = □

□ ÷ □ = □

□ × □ = □

□ ÷ □ = □

29. Solve each problem. Use the boxes to show your working.

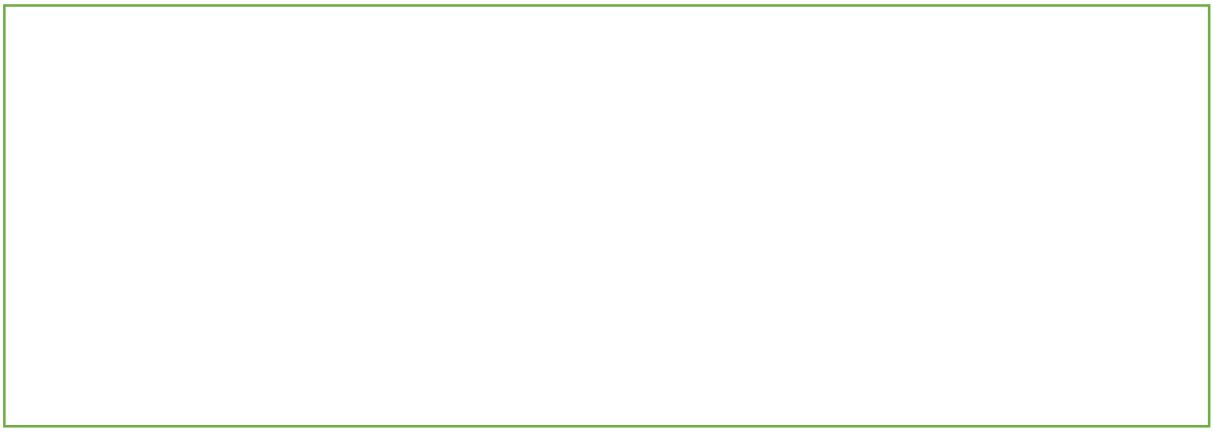
a) Tania has 4 bags. Each bag has 8 marbles. How many marbles does Tania have in all?

b) On Sunday 65 students came to school, 42 came on Monday. How many more students came on Sunday?

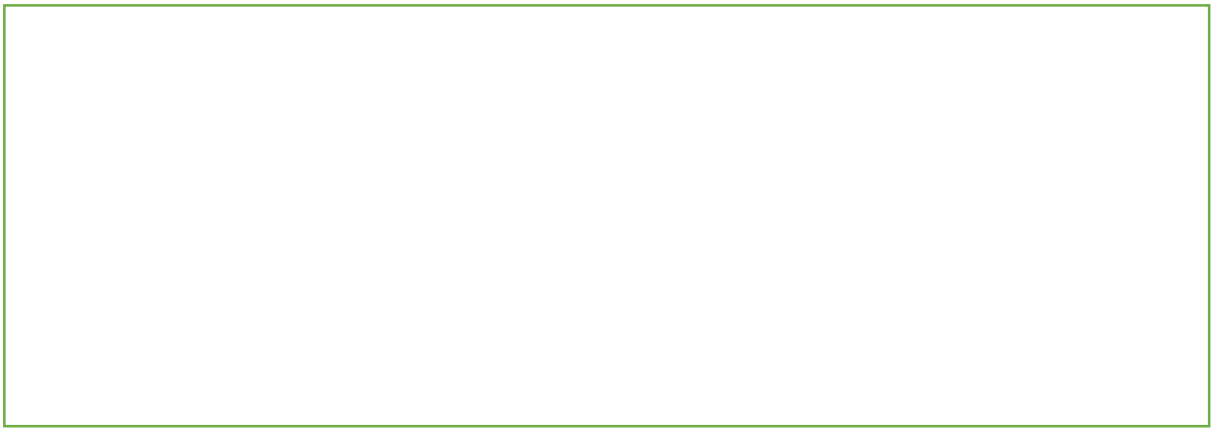
c) The teacher gave 2 pencils each to 8 of her students. How many pencils did she give to students?

d) 25 people have to sit in 5 cars. How many people will be seated in each car?

e) Tania has some marbles. She gave 14 to Alan, 25 to Sarah and 10 to Fran. How many marbles did she have in all?

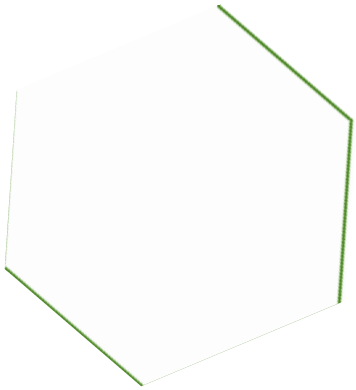


f) 42 sweets are shared between 6 girls. How many sweets will each girl get?



30. a) How many more lines do you need to make the given shape into a Hexagon? _____

b) Draw the lines to complete the shape.



Hexagon

31. Is this crescent a polygon? _____

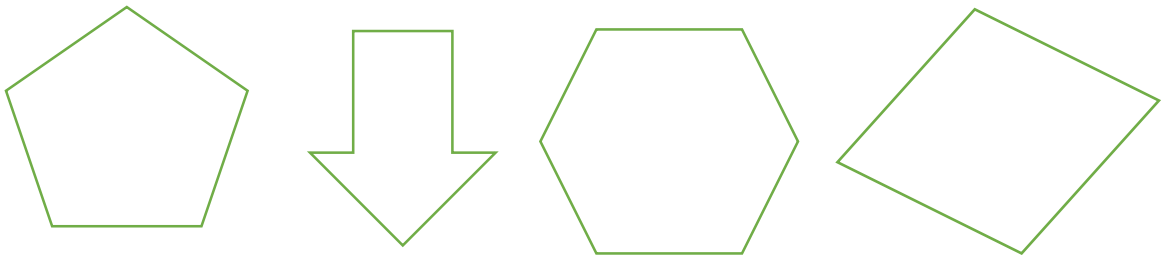
Why? _____

32. Draw all the line/lines of symmetry and write how many are there?

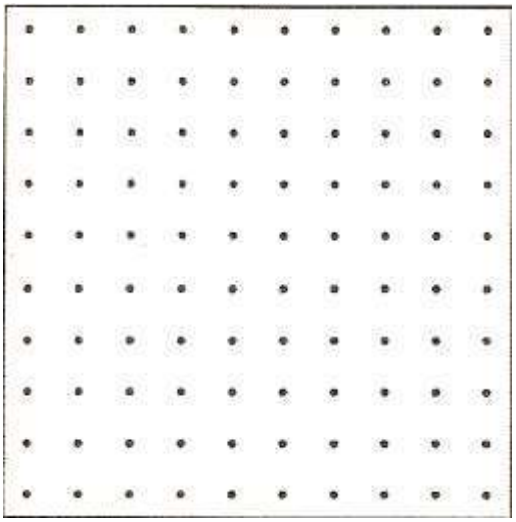
_____

_____

33. Circle all the regular polygons.



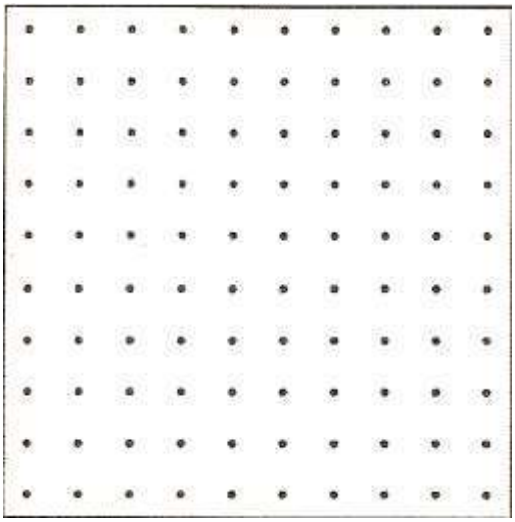
34. A quadrilateral is a polygon that has four sides and four vertices. Draw a quadrilateral of your choice and write 2 properties other than having four sides and four vertices.



_____

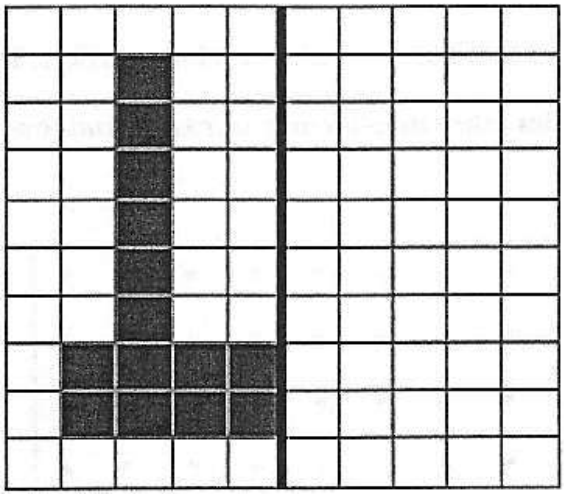
_____

35. Draw and write the name of the quadrilateral that is regular and has 4 lines of symmetry?

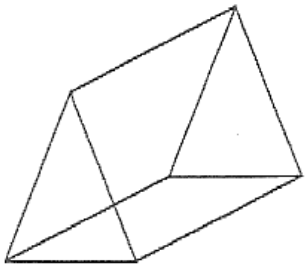


_____

36. Reflect and draw the shape across the mirror line.



37. Look at this shape and answer the questions.



a) Is it a polyhedron?

_____

b) Write the name of this 3D shape?

_____

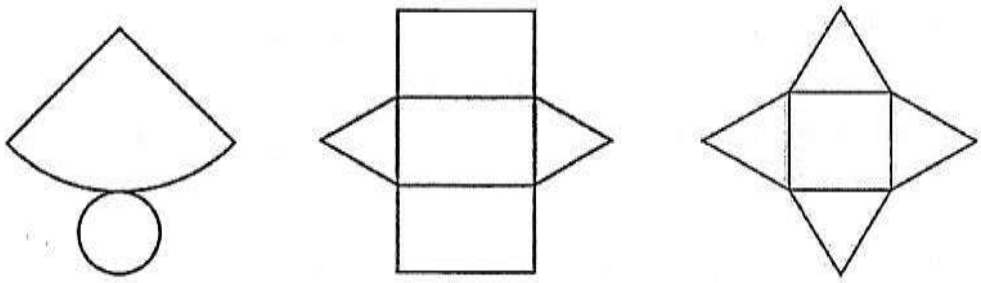
c) How many faces, edges and vertices does it have?

_____

d) Is it a pyramid?

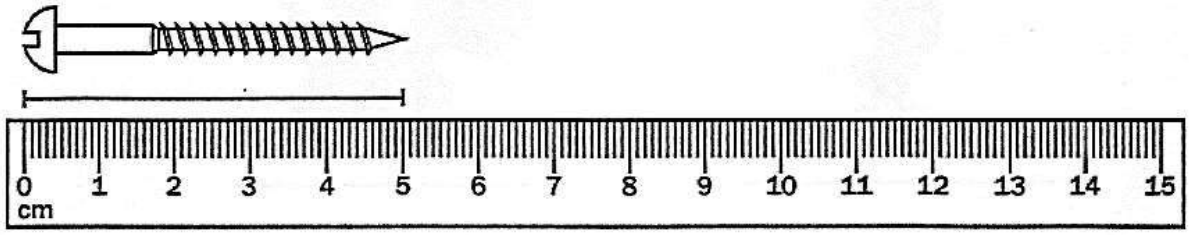
_____

38. Write the names of the solid shapes that are formed with these nets.



_____ _____ _____

39. How long is this screw?



_____*cm*

40. Write *mm, cm, m*, or *km* for each picture.

_____ _____ _____

41. How many *cm* are in $6\frac{3}{4}$ *m*? _____ *cm*

42. How many grams are in 5 *kg*? _____ *g*

43. How many kilograms are in 3750 *g*? _____ *kg*

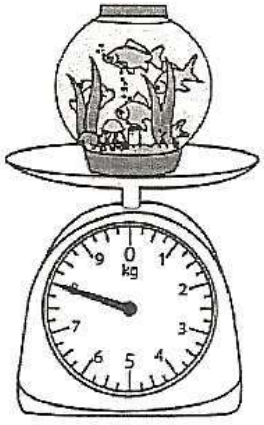
44. How many *m* are in $3\frac{1}{4}$ *km*? _____ *m*

45. Write *g* or *kg* for each picture.

_____

_____

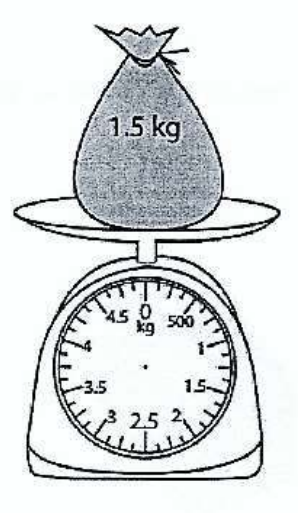
46. a) Write the mass of the aquarium.



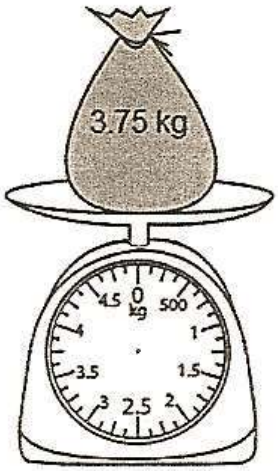
_____ *kg*

b) Draw the pointer for the shown mass.

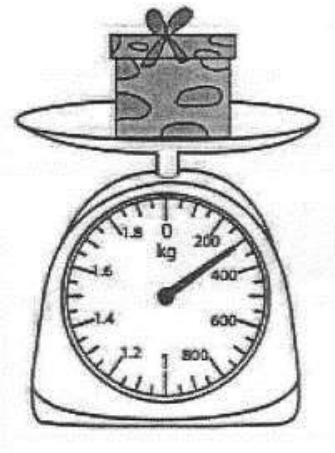
a)



b)



c) Write the mass of the gift pack.

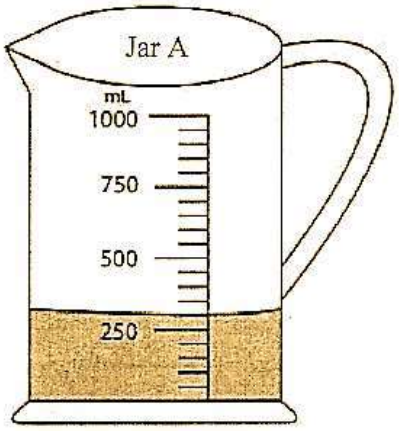


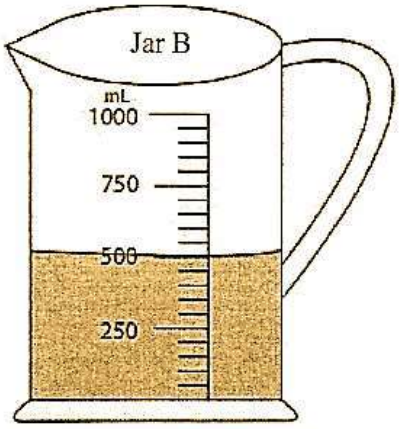
_____*kg*

47. Write *l* or *ml* for each picture.

_____ _____ _____

48. a) Write the amount of liquid shown in the container.





_____*ml* _____*ml*

b) Write the total amount of liquid in both the measuring jars.

_____

c) How much more liquid does Jar B have than Jar A?

_____

49. The pictogram shows the number of pumpkins harvested by five farmers in the fall season. Use the graph to answer the questions.

Pumpkin Harvest	
Name	Number of Pumpkins
Danny	
Jacob	
Ray	
Edwin	
Alex	

a) Complete the missing information.

Danny	**Jacob**	**Ray**	**Edwin**	**Alex**
		250	325	

b) Who harvested the most pumpkins?

_____

c) How many pumpkins did Jacob harvest?

_____

d) Who harvested 250 pumpkins?

_____

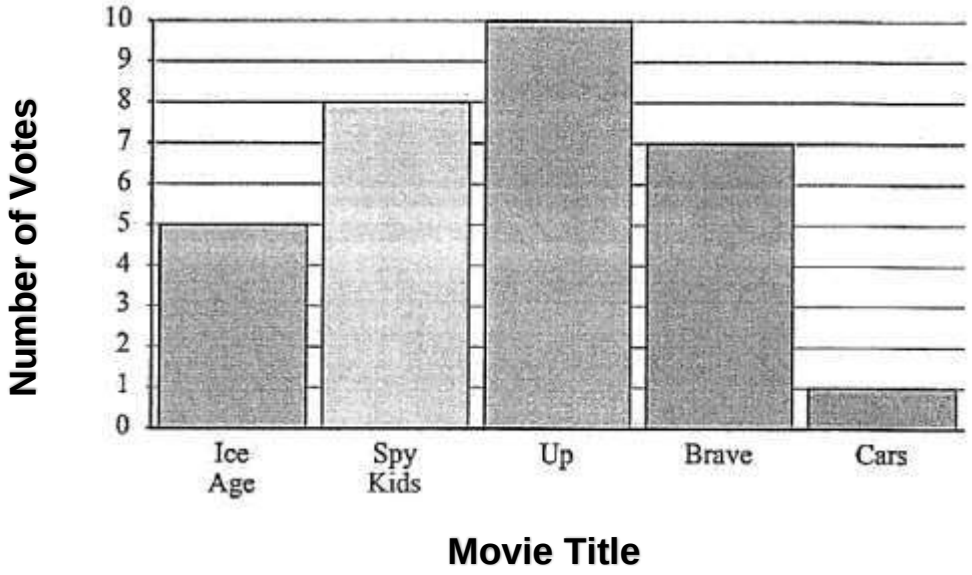
e) Name the farmers who have harvested the same number of pumpkins?

_____

f) Danny harvested more pumpkins than Ray. Is that true?

_____

50. Y4 students voted for their favourite movie. Following are the results in form of a bar graph. Use the information to answer the questions based on the given graph.



a) How many people voted for the movie ‘Ice Age’?

_____

b) Which movie received exactly 10 votes?

_____

c) What is the difference in the number of people who voted for ‘Brave’ and the number who voted for ‘Spy Kids’?

_____

d) What is the combined number of people who voted for ‘Up’ and ‘Brave’?

_____

e) Which movie received the fewest votes?

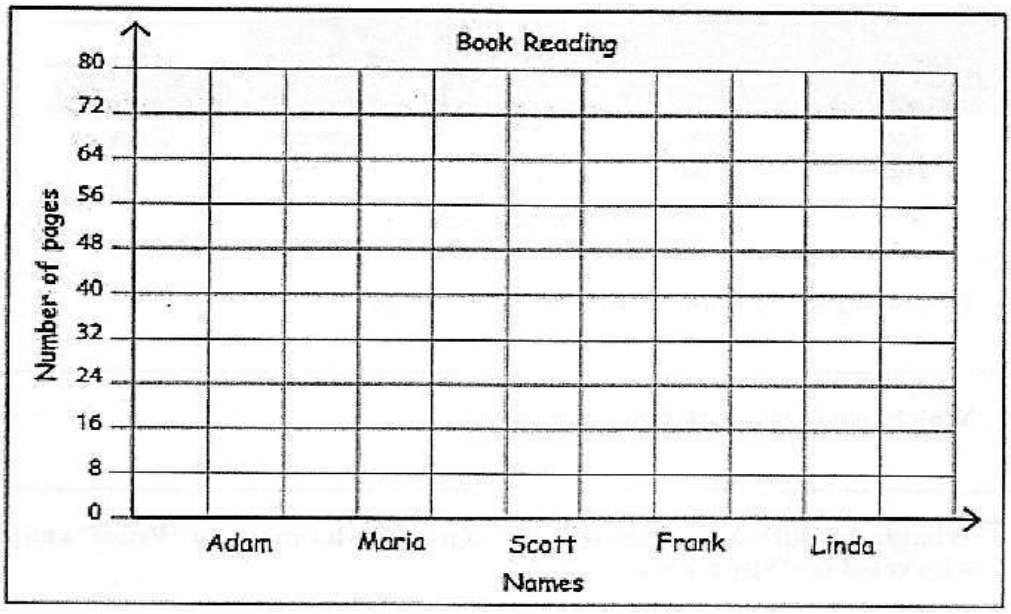
_____

f) How many more votes did ‘Spy Kids’ receive than ‘Brave’?

_____

51. Frank, Maria, Scot, Susan and Linda walk through the library and grabbed books on each of their interest. The data shows the number of pages read by each of them. Draw a bar graph to represent the data. Answer the questions.

Adam	Maria	Scott	Frank	Linda
				
40	24	64	32	56



a) Write the names of the students who read less than 40 pages.

_____

b) How many pages did Frank, Maria and Scott read in all?

_____

c) How many more books did Linda read than Adam?

_____

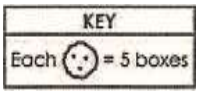
d) How many books did Frank and Maria read?

_____

e) Who read the most books?

_____

52. Four Girls Scout sold cookies for one month. The list below shows how many boxes each Girl Scout sold.



Scouts	Frequency
Isabella	40
Emma	15
Sam	35
Grace	50

Name	Cookie Sales
Isabella	
Emma	
Sam	
Grace	

a) How many boxes of cookies did the girls sell in all?

_____

b) How many more boxes of cookies did Isabella sell than Emma?

_____

c) Which two girls sold a total of 75 boxes of cookies?

_____

d) Who sold the least number of boxes of cookies?

_____

e) How many less cookies did Isabella sell than Grace?

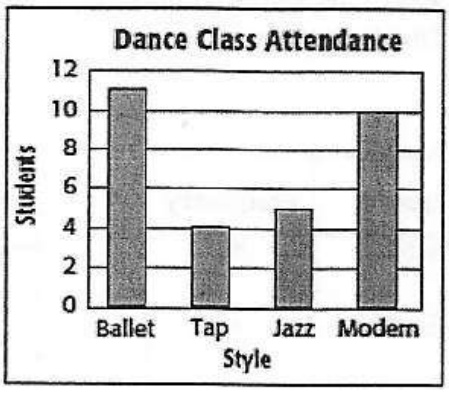
_____

f) How many boxes did they sell altogether?

_____

53. Read the bar graph. Complete the table and answer the given questions.

Style	Tally	Frequency
Ballet	𝍸 𝍸 |	
Tap		4
Jazz	𝍸	
Modern		10



a) How many students attended the Jazz class? _____

b) How many more students attended the Ballet class than Tap class?

_____

c) How many students attended the Modern and Jazz class? _____

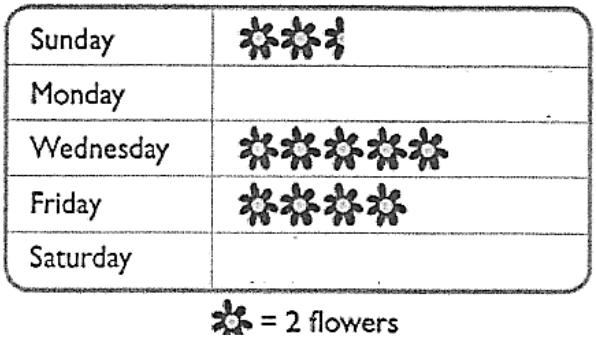
54. Complete the Carroll diagram.

8	22	18	49	100

	Even numbers	Odd numbers
Multiples of 7		
Not multiples of 7		

55. Stefanie is helping her mom plant flowers in the garden. Find out how many flowers Stefanie planted in the past few days by completing and reading tally chart and pictogram below. Then answer the questions.

Days	Tally	Frequency
Sunday	𝍸	
Monday	𝍸 𝍸 𝍸 I	16
Wednesday		10
Friday	𝍸 III	
Saturday	𝍸 𝍸 III	



a) How many flowers did Stefanie plant on Wednesday?

_____

b) On which day did Stefanie plant the fewest flower? How many did she plant that day?

_____

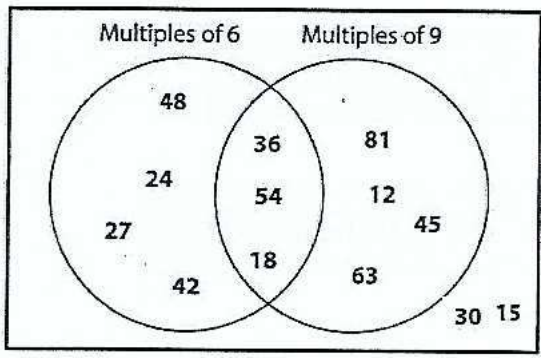
c) On which day did Stefanie plant the most flowers?

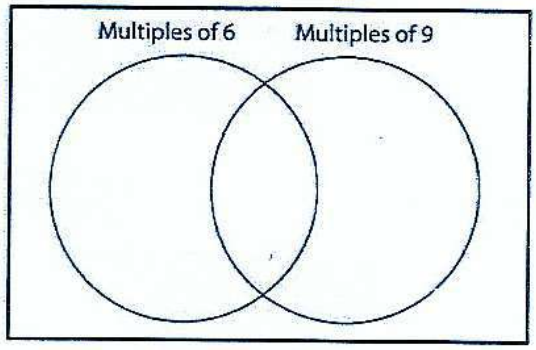
_____

d) How many more did she plant on that day than on Sunday?

_____

56. a) The Venn diagram has some mistakes, find the errors in the Venn diagram and circle them, then recreate it without errors.

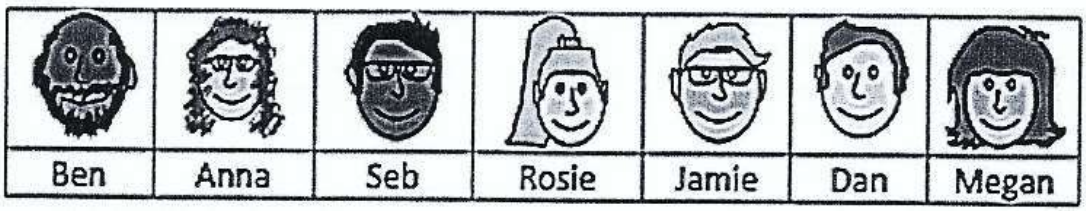


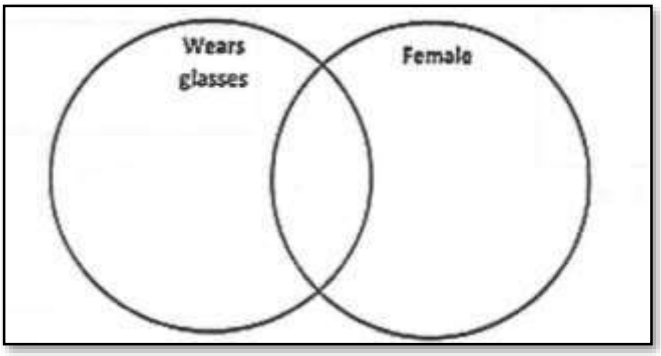


b) Use the data in the Venn diagram then write the information on the Carroll diagram.

	Even numbers	Odd numbers
Multiples of 6		
Not multiples of 6		

57. Complete the Venn diagram.

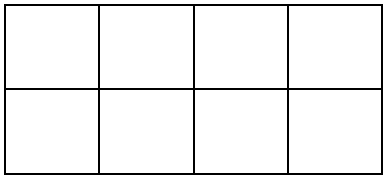




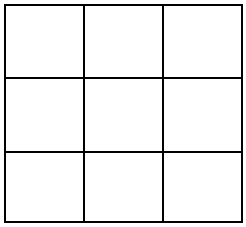
58. Find the Area and Perimeter of these rectilinear shapes. **NOT TO SCALE**

4 cm

2 cm



3 cm



a) Area: _____

Perimeter: _____

b) Area: _____

Perimeter: _____

5 cm

2 cm

8 cm

c) Area: _____

Perimeter: _____

d) Area: _____

Perimeter: _____

59. If each side of a square is equal to 4cm, what will be its area?

_____cm^2

60. If the area of a square is $49cm^2$, find out the length of each side of this square.

_____*cm*

61. a) If Sarah drinks 3 liters of water a day, how much water will she drink in 5 days?

_____*l*

b) Convert your answer in milliliters.

_____*ml*

62. Keith's weight is 45 *kg*. If he carries his three puppies along with him on the weighing scale that have a mass of 2 *kg* each. How much mass will the scale show?

_____*kg*