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PHOTOCOPY MASTERS

For students at risk working at Middle Primary levels

FUSS FREE MATHS

BOOK 3

MEASUREMENT, CHANCE AND DATA

By Sandy Tasker

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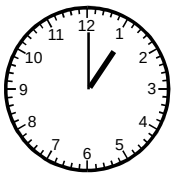
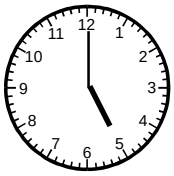
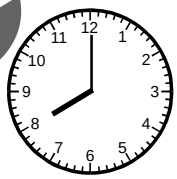
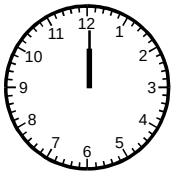
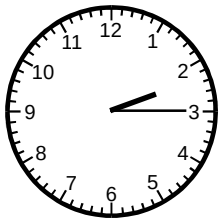
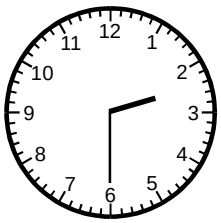
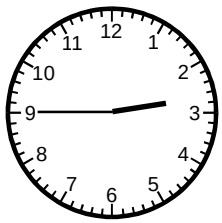
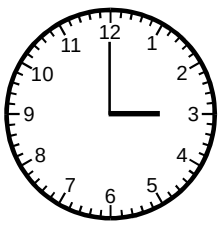
What's the Time? Help Sheet

Big Hand	Small Hand	Time	Digital Time	Examples
12	1	1 o'clock	1:00	1:00 
12	2	2 o'clock	2:00	
12	3	3 o'clock	3:00	
12	4	4 o'clock	4:00	5:00 
12	5	5 o'clock	5:00	
12	6	6 o'clock	6:00	
12	7	7 o'clock	7:00	8:00 
12	8	8 o'clock	8:00	
12	9	9 o'clock	9:00	
12	10	10 o'clock	10:00	12:00 
12	11	11 o'clock	11:00	
12	12	12 o'clock	12:00	

Sample

The small hand is leaving the 2 and going towards the 3.

Big Hand	Time	Digital Time	Examples	Examples
1	5 past 2	2:05	2:15 	2:30 
2	10 past 2	2:10		
3	Quarter past 2	2:15		
4	20 past 2	2:20		
5	25 past 2	2:25		
6	Half past 2	2:30		
7	25 to 3	2:35	2:45 	3:00 
8	20 to 3	2:40		
9	Quarter to 3	2:45		
10	10 to 3	2:50		
11	5 to 3	2:55		
12	3 o'clock	3:00		

Name:_____ Due Date:_____

Tallies 1

Tallies are used to record **how many are counted**.

Remember: I = 1
III = 3
IIII = 5
/ Each time you reach 5, put a stroke through the other 4 strokes.

● A teacher counted the number of boys and girls in her class.

Boys	**Girls**
𝍸 𝍸 𝍸 𝍸 II	𝍸 𝍸 𝍸 𝍸 III
5 10 15 20 22	5 10 15 20 23
Total = 22 boys	Total = 23 girls

Count by 5's for each group of 5 and then add the extras.

Sample

Answer these questions about tallies:

● How many books did Bob and Jo read?

Bob	**Jo**
𝍸 𝍸 II	𝍸 III
Total = _____ books	Total = _____ books

How many books did they read altogether? (Add the number of books that Bob and Jo read.)

_____ + _____

Answer = _____ books

● How many Year 4 children are in each group?

Group	**Number of Children**	**Total**
Red	𝍸 𝍸 𝍸 𝍸 III	
Blue	𝍸 𝍸 𝍸 𝍸 𝍸 II	
Green	𝍸 𝍸 𝍸 𝍸 I	
Yellow	𝍸 𝍸 𝍸	

How many Year 4 students are there altogether?

_____

_____

_____

\+ _____

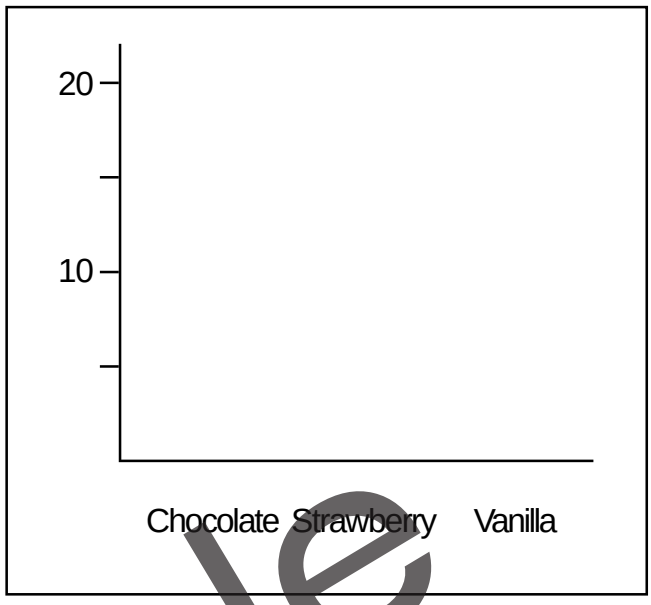
_____

Name:_____ Due Date:_____

Bar Graphs 2

● Look at the tallies and see if you can make the bar graph.

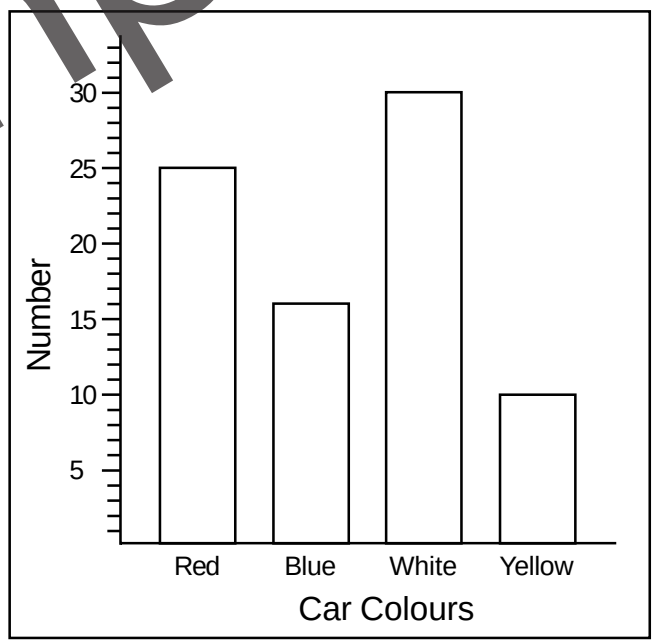
Favourite flavour	Children	Total
Chocolate	𝍸 II	7
Strawberry	IIII	4
Vanilla	𝍸 IIII	9



Sample

● Answer the true or false questions about the bar graph.

red = 25
blue = 16
white = 30
yellow = 10



There were more red cars than yellow cars. True False

Blue cars were seen the most. True False

I saw 5 green cars. True False

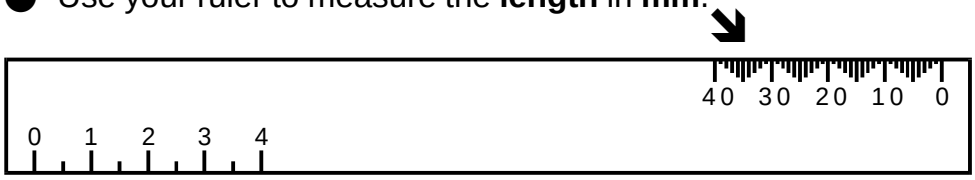
If I add blue cars to yellow cars, I get **more** than the number of red cars. True False

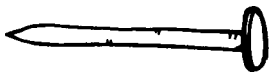
Name:_____ Due Date:_____

Measuring Length 2

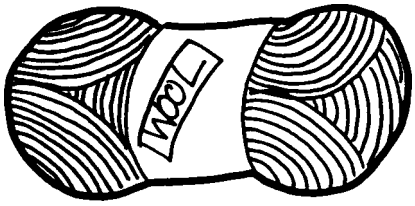
When measuring with a ruler, make sure you always have the **0** on the **end** of the object.

● Use your ruler to measure the **length** in **mm**.





= _____ mm



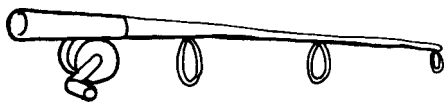
= _____ mm

= _____ mm

= _____ mm

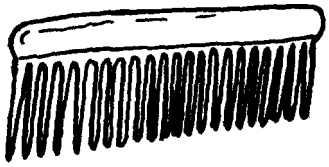
Sample

● Use your ruler to measure the length in **cm** and **mm**.
(Measure the cm first, then count how many mm are left over.)



= _____ cm and _____ mm

= _____ cm and _____ mm



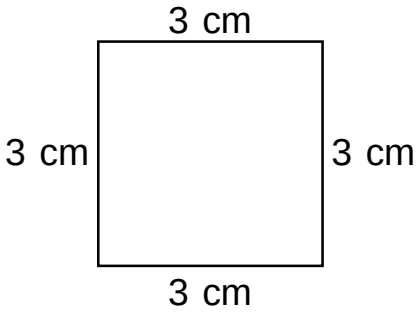
= _____ cm and _____ mm

Name:_____ Due Date:_____

Measuring Perimeter 1

Perimeter is the **distance around** an object.

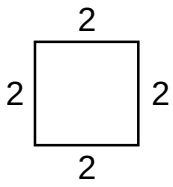
- Look at this shape:



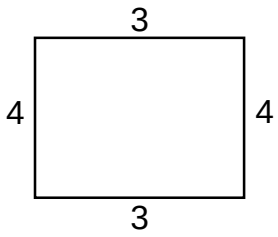
To work out the perimeter, **add up all the sides**.

3 + 3 + 3 + 3 = 12 cm

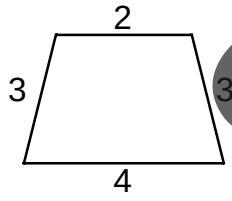
- Work out the perimeters of these shapes:



_____ + _____ + _____ + _____ = _____ cm



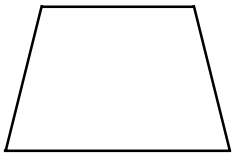
_____ + _____ + _____ + _____ = _____ cm



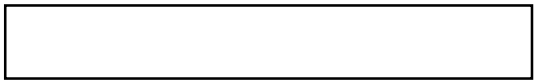
_____ + _____ + _____ + _____ = _____ cm

Sample

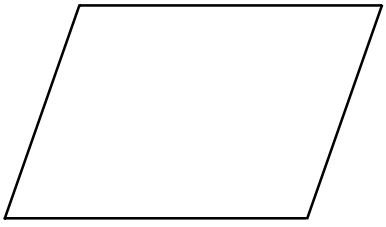
- Measure all the sides and then work out the perimeters in cm:



_____ + _____ + _____ + _____ = _____ cm



_____ + _____ + _____ + _____ = _____ cm



_____ + _____ + _____ + _____ = _____ cm