



# Fun with Maths 2.1

RECOMMENDED FOR USE IN GRADE 2



NAME \_\_\_\_\_

SCHOOL \_\_\_\_\_

GRADE \_\_\_\_\_



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## Book 2 Part 1



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All problem sums have a box underneath them in which learners can draw the problems OR write number sentences and work out the answers. The teacher can decide how she wants the learners to use the boxes.

Date: \_\_\_\_\_

Numbers, operations and relationships

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Draw lines to match the number symbols and number names. Colour the numbers in on the number chart above.



21	twenty-two
23	twenty-five
24	twenty-one
22	twenty-three
25	twenty-four



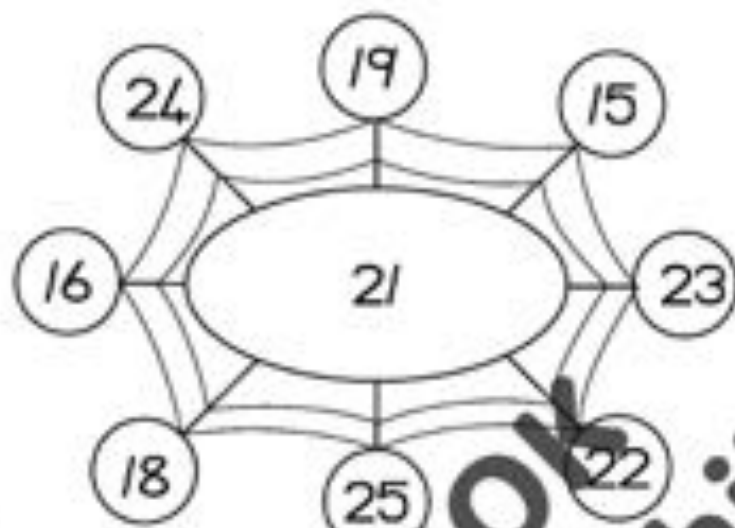
Riddles Use your counters to work out the following.

1. I am 2 tens and 5 units. What number am I?

2. I am between 20 and 30 and I have 3 units. What number am I?

3. I am 10 more than 15. What number am I?

Colour the circles with numbers smaller than 21.



Colour the circles with numbers greater than 20.



Colour the correct blocks.

20 is 

more than
less than
equal to

 24

25 is 

more than
less than
equal to

 21

22 is 

more than
less than
equal to

 $10 + 10$

26 is 

more than
less than
equal to

 $13 + 13$

Arrange these numbers in order from greatest to smallest.

20 ; 24 ; 16 ; 22 ; 9 ; 21 ; 19 ; 25

□	□	□	□	□	□	□	□	□	□	□	□	□
---	---	---	---	---	---	---	---	---	---	---	---	---

Date: \_\_\_\_\_ Ordinal numbers

1. Colour the first circle red, the second circle blue and the third circle green.



2. Give the fourth person a balloon, the fifth person a crown, the seventh person glasses, the eighth person a hat and the last person a ball.



3. Colour the sixth tree purple, the ninth tree orange and the tenth tree green.



4. Identify and state the value of each digit from 11 to 25.

Example: 11 =  ten and  unit

14 =  ten and  units

21 =  tens and  unit

17 =  ten and  units

23 =  tens and  units

$18 = \square \text{ ten and } \square \text{ units}$

$13 = \square \text{ ten and } \square \text{ units}$

$19 = \square \text{ ten and } \square \text{ units}$

$24 = \square \text{ tens and } \square \text{ units}$

$25 = \square \text{ tens and } \square \text{ units}$

$12 = \square \text{ ten and } \square \text{ units}$

$16 = \square \text{ ten and } \square \text{ units}$

$20 = \square \text{ tens and } \square \text{ units}$

$15 = \square \text{ ten and } \square \text{ units}$

$22 = \square \text{ tens and } \square \text{ units}$

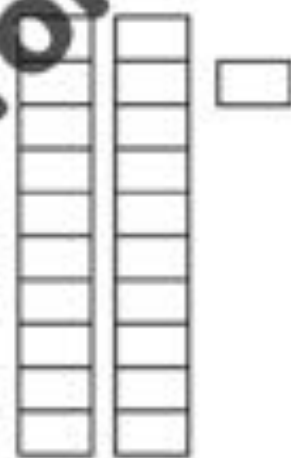
Date: \_\_\_\_\_ Place Value

Fill in the tens and units.

Example:



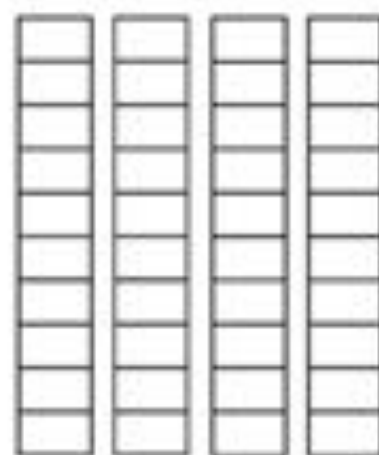
$\square$  ten and  $\square$  units.



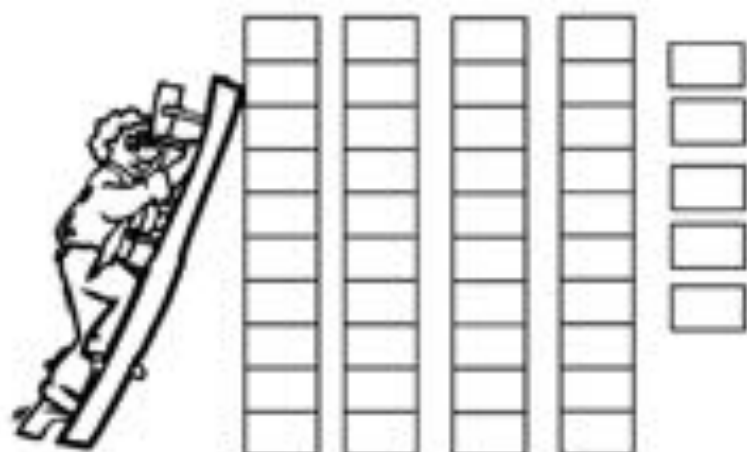
$\square$  tens and  $\square$  unit.



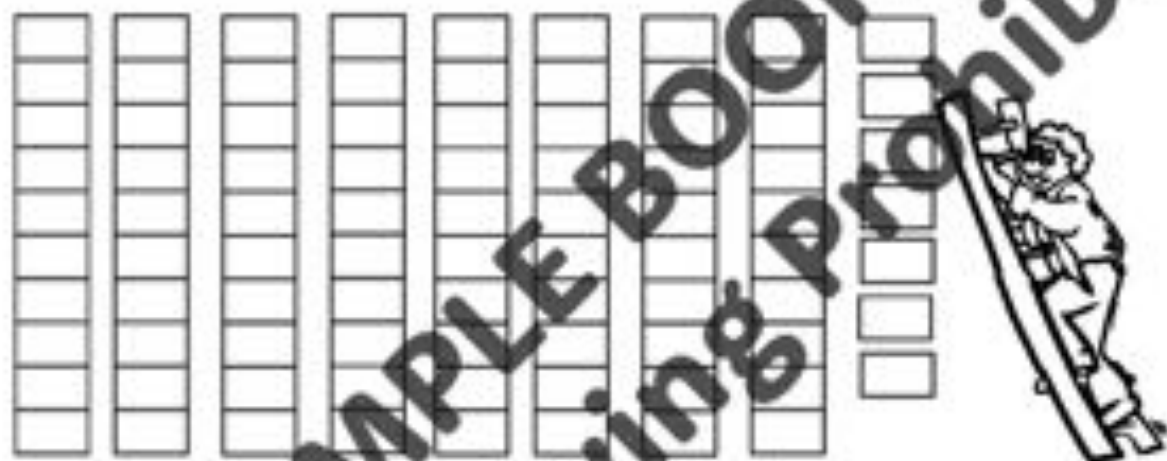
$\square$  tens and  $\square$  units.



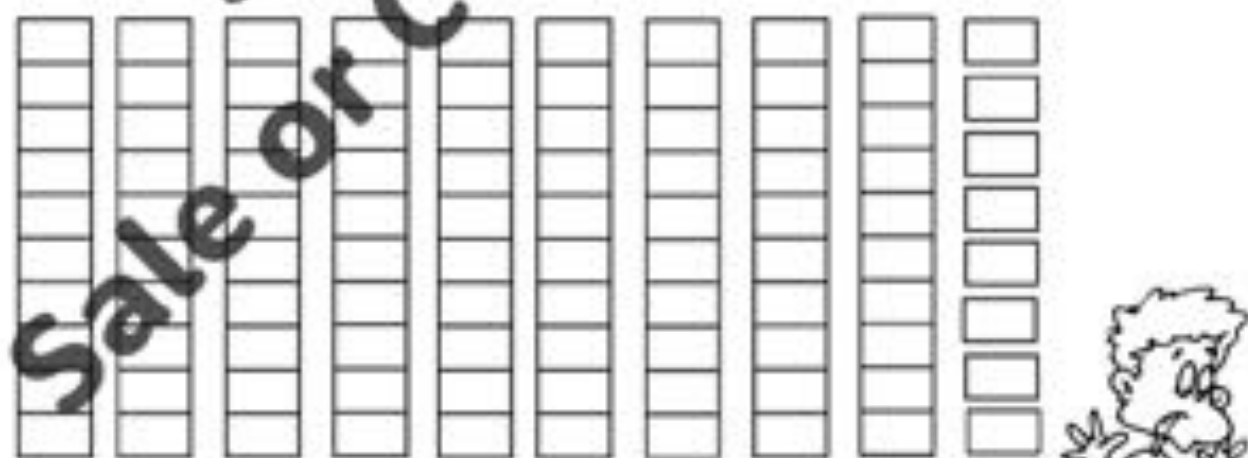
$\square$  tens and  $\square$  units.



tens and  units.



tens and  units.



tens and  units.

Write the number sentences and work out the answers to these word problems.

1. If Sam's book has 9 pages and Lila's book has 20 pages, how many more pages does Lila's book have?



2. Sally picked 19 apples. Eight of them had worms in them. How many apples did not have worms?



3. Meg is baking a birthday cake. She has 5 red candles, 7 blue candles and 8 green candles. How many candles does she have altogether?



4. Thabi has spent 3 days in hospital and needs to stay another 2 weeks. How many days will she stay in hospital altogether?



5. It takes Dad 8 hours to drive to Durban and another 9 hours to drive home again. How many hours would he have driven altogether?





6. Mom planted 17 plants in the garden. The snails ate 3 plants and 3 more died. How many plants were left?



Date: \_\_\_\_\_ Repeated Addition

1. If everyone in the family needs a knife, fork and spoon for supper, how many pieces of cutlery does Fatima need for 6 people?



2. Jared must wash windows in his house. If there are 2 windows in each room and there are 7 rooms, how many windows must he wash?

3. For the cake sale, 5 people brought 5 cakes each. How many cakes were there altogether?



4. If 4 dogs have 4 puppies each, how many puppies are there altogether?

5. Three children get 4 new pencils each. How many pencils are there altogether?

Date: \_\_\_\_\_ Sharing and grouping

Write the number sentences and find the answers to these word problems.

1. At the cake sale, John and Jacob buy a box with 20 little cakes to share. How many cakes will each boy get?

2. Meg is baking muffins. She has 2 muffin trays with 6 muffins in each tray. How many muffins can 10 children get? How many will be left over?



3. At tennis, each child needs 3 tennis balls. There are 17 balls. How many children can get 3 balls each?






4. Six rabbits each need to be fed 3 carrots a day. If there are only 16 carrots, how many rabbits can get 3 carrots each?




5. If one packet holds 2 loaves of bread and Tom buys 6 packets and 20 loaves of bread, how many loaves of bread can be put into the packets?



Date: \_\_\_\_\_ Doubling and Halving

1. At the store there are 10 doughnuts and 11 brownies. How many doughnuts and brownies altogether?  

2. Zonke has double the number of sweets as Ben. Zonke has 18 sweets. How many sweets does Ben have? 

3. Cyril has 16 stickers. He gives half of them to Sam. How many stickers do each of them get?

4. Lucky has 16 gums. He loses half of them. How many gums does he have left? 

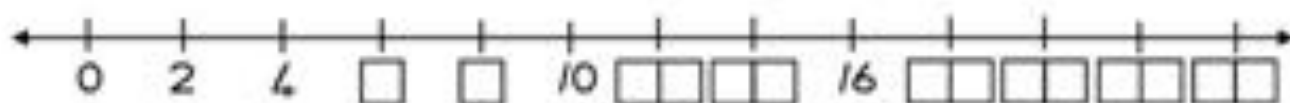
5. At the park there are 9 children on the swings and 10 children on the slides. How many children altogether?  

Date: \_\_\_\_\_ Working with number lines

Fill in the missing numbers



Count in 2's



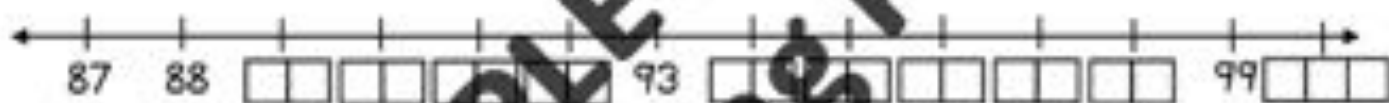
Count in 5's



Count in 10's



Count in 1's



Count in 2's



Count in 5's



Count in 10's



Circle the answer - Double 6.



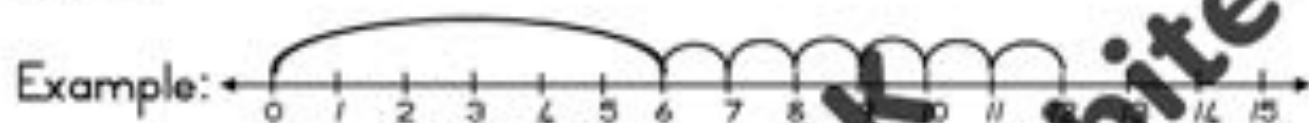
Circle the answer - Half of 14



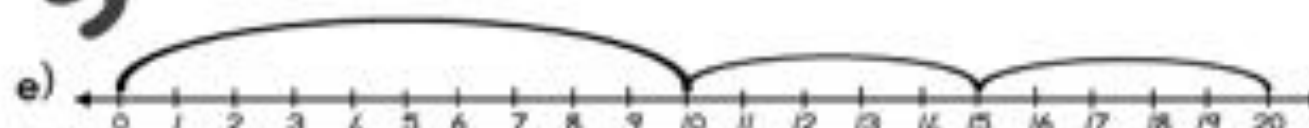
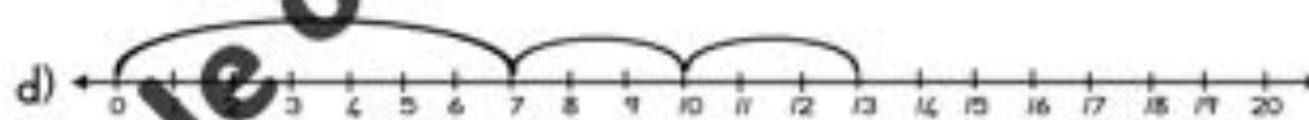
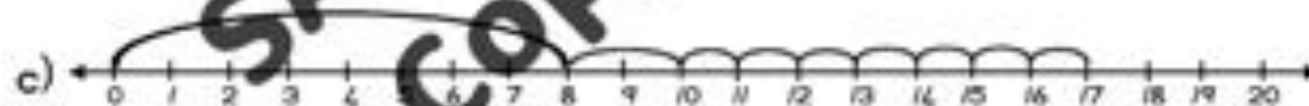
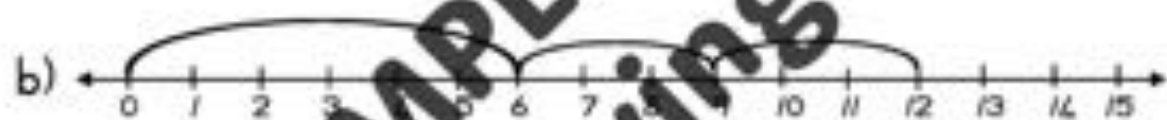
Date: \_\_\_\_\_

Working with number lines (continued)

Write the number sentence that matches the number lines below.



$$6 + 1 + 1 + 1 + 1 + 1 + 1 = 7$$



Date: \_\_\_\_\_ Doubles and doubles plus one

$2 + 2 = \square$

$2 + 3 = \square$

$4 + 4 = \square$

$4 + 5 = \square$

$6 + 6 = \square$

$6 + 7 = \square$

$8 + 8 = \square$

$8 + 9 = \square$

$10 + 10 = \square$

$10 + 11 = \square$

$3 + 3 = \square$

$3 + 4 = \square$

$5 + 5 = \square$

$5 + 6 = \square$

$7 + 7 = \square$

$7 + 8 = \square$

$9 + 9 = \square$

$9 + 10 = \square$

$11 + 11 = \square$

$11 + 12 = \square$

Date: \_\_\_\_\_ Halving

$\text{Half of } 2 = \square$

$\text{Half of } 4 = \square$

$\text{Half of } 6 = \square$

$\text{Half of } 8 = \square$

$\text{Half of } 10 = \square$

$\text{Half of } 12 = \square$

$\text{Half of } 14 = \square$

$\text{Half of } 16 = \square$

$\text{Half of } 18 = \square$

$\text{Half of } 20 = \square$



Date: \_\_\_\_\_ Money

1. Busi has 50c. She has 3 friends. How can she share her 50c amongst all 4 of them equally?

2. Peter wants to buy sweets which cost 10c each. He has 50c. How many sweets can he buy?

3. It costs Siya R5 to travel by taxi to school. He pays with a R20 note.
- How much change does he get?
  - How much change will he have left after he goes back home?
  - How much does his taxi fare cost him after 2 days?

4. Senya wants to buy 4 sweets that cost R3 each. She has R8. How much more money does she need?

5. Lindiwe has R20. If she needs to buy a bus ticket for R9, a cold drink for R7 and a packet of chips for R8, how much more money does she need?

6. If Mao has R10; two R2 coins; one R1 coin and two 50c coins, what money will he use to pay for a pen for R/3 ? Draw your answer in the block below.



7. Ben wants to buy a lunch at the tuckshop for R/6. He has a R20 note. How much change will he get?

8. Using these coins in Linda's purse, help her to pay for a toy which costs R/1. Draw your answer.

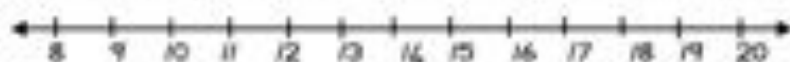




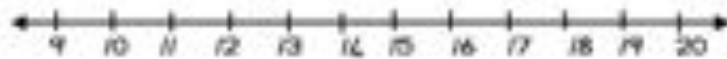
Date: \_\_\_\_\_

Use the number lines to solve these problems.

$8 + 12 = \square \square$



$9 + 6 = \square \square$



$12 + 5 = \square \square$



$6 + 12 = \square \square$



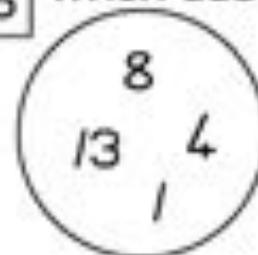
$14 + 5 = \square \square$



Date: \_\_\_\_\_

Find / number in each circle that makes  $\square$  when added.

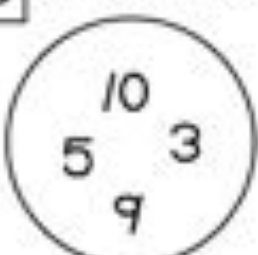
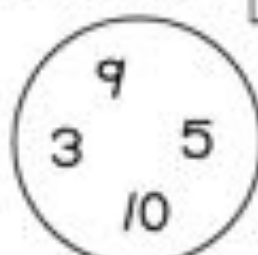
$\square \square + \square \square = 20$

Find / number in each circle that makes  $\square$  when added.

$\square + \square = 16$

Find / number in each circle that makes  $\square$  when added.

$\square + \square = 14$

Find / number in each circle that makes  $\square$  when added.

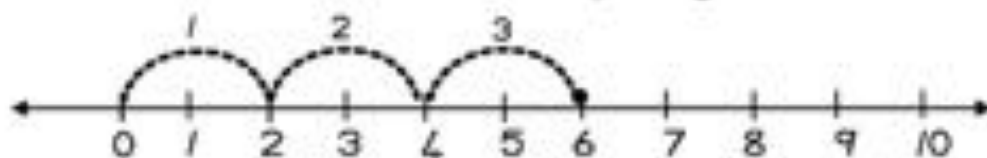
$\square + \square = 18$

Example: 3 hops of 2 = 

6
---

  
 $3 \times 2 =$ 

6
---



4 hops of 2 = 

--

  
 $4 \times 2 =$ 

--



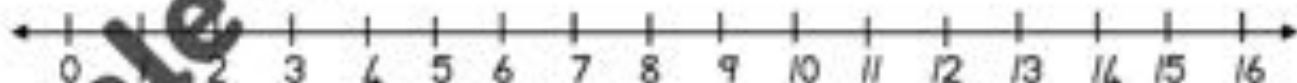
5 hops of 2 = 


  
 $5 \times 2 =$ 



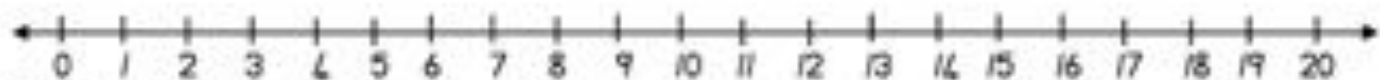

6 hops of 2 = 


  
 $6 \times 2 =$ 

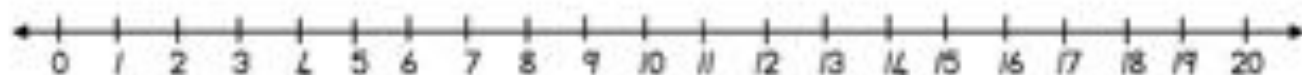
7 hops of 2 = 


  
 $7 \times 2 =$ 

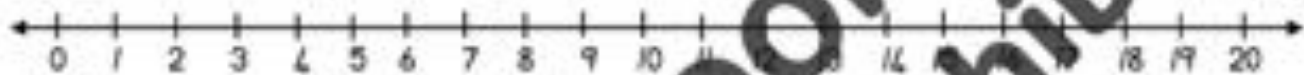
$$8 \text{ hops of } 2 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \quad \begin{array}{|c|} \hline \text{Rabbit} \\ \hline \end{array}$$

$$8 \times 2 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$$



$$9 \text{ hops of } 2 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \quad \begin{array}{|c|} \hline \text{Rabbit} \\ \hline \end{array}$$

$$9 \times 2 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$$



$$10 \text{ hops of } 2 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \quad \begin{array}{|c|} \hline \text{Rabbit} \\ \hline \end{array}$$

$$10 \times 2 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$$



Date: \_\_\_\_\_ Addition

Use the different strategies to work out the answers.

Strategy: put the greater number first.

$5 + 9 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$

$6 + 11 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$

$2 + 12 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$

$3 + 14 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$

$7 + 9 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$

$8 + 10 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$

$4 + 16 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$

$7 + 12 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$

$9 + 11 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$

$4 + 15 = \begin{array}{|c|c|} \hline & \\ \hline \end{array}$



Strategy: identify near doubles.

$6 + 7 = \square \square$

$6 + 5 = \square \square$

$8 + 9 = \square \square$

$7 + 8 = \square \square$

$10 + 9 = \square \square$



Strategy: change a number to 10 then add and subtract ones.

$9 + 4 = \square \square$

$11 + 7 = \square \square$

$9 + 8 = \square \square$

$9 + 9 = \square \square$

$6 + 9 = \square \square$

$8 + 11 = \square \square$



Strategy: breaking down a number into smaller parts.

$13 + 7 = \square \square$

$11 + 9 = \square \square$

$11 + 7 = \square \square$

$4 + 6 = \square \square$

$10 + 9 = \square \square$

$12 + 8 = \square \square$

Date: \_\_\_\_\_ Subtraction

$18 - 9 = \square$

$20 - 11 = \square$

$14 - 5 = \square$

$17 - 8 = \square$

$16 - 12 = \square$

$19 - 13 = \square$

$15 - 11 = \square$

$14 - 10 = \square$

$20 - 14 = \square$

$13 - 7 = \square$

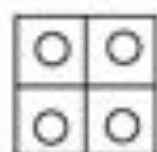


Date: \_\_\_\_\_

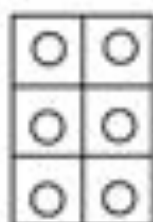
## Arrays



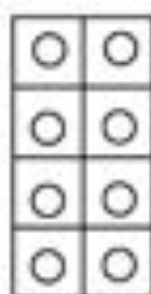
2



$2 + 2 = \square$



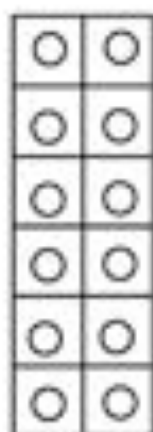
$3 + 3 = \square$



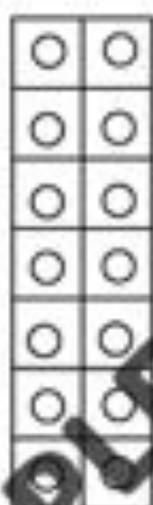
$4 + 4 = \square$



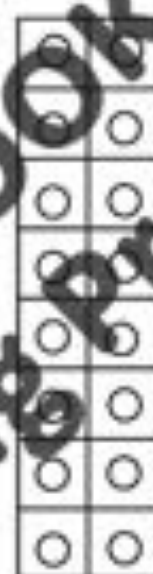
$5 + 5 = \square$



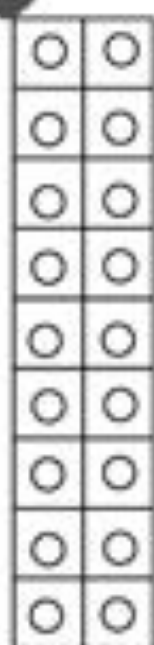
$6 + 6 = \square$



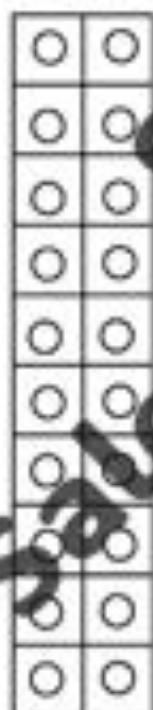
$7 + 7 = \square$



$8 + 8 = \square$



$9 + 9 = \square$

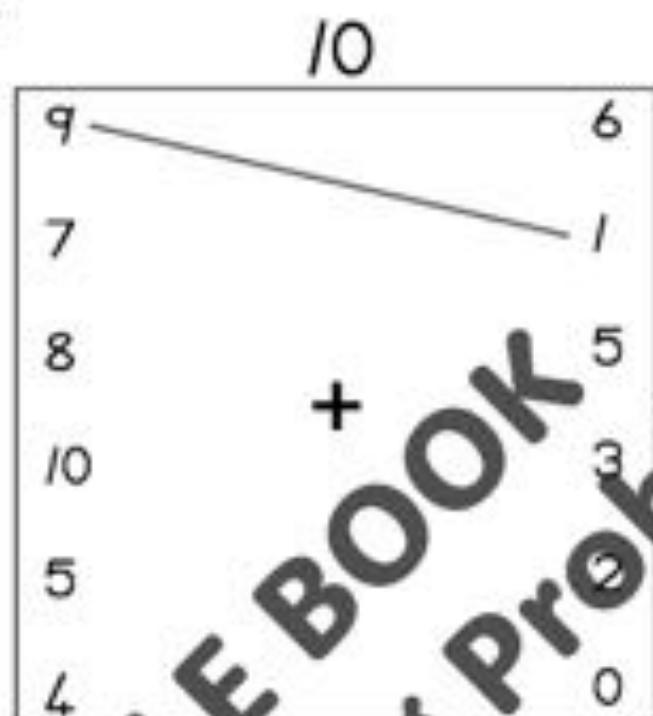


$10 + 10 = \square$



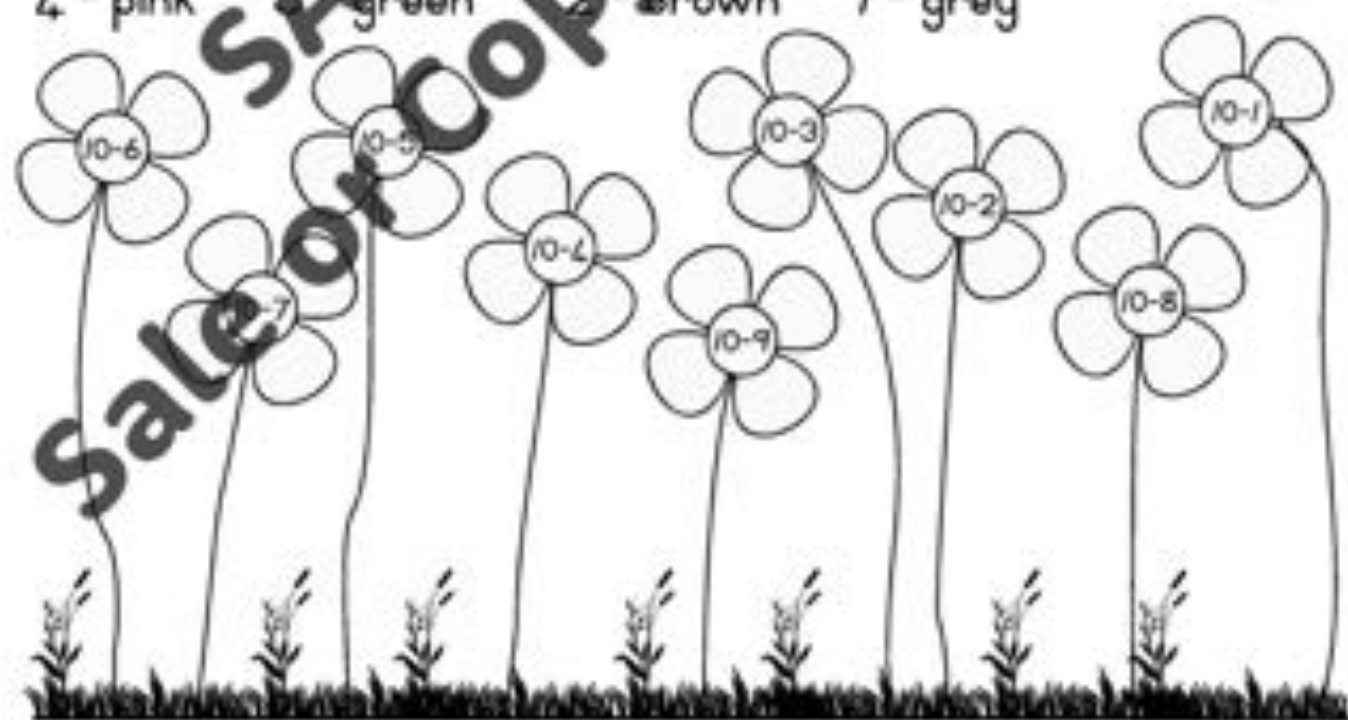
Date: \_\_\_\_\_ Number bonds to 10

Draw lines to find the matching number bonds which make 10. Use a ruler.



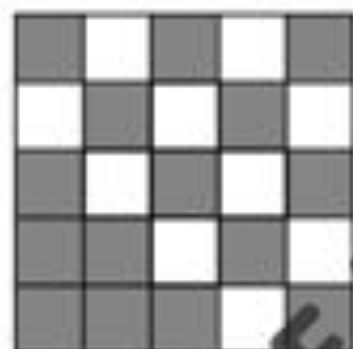
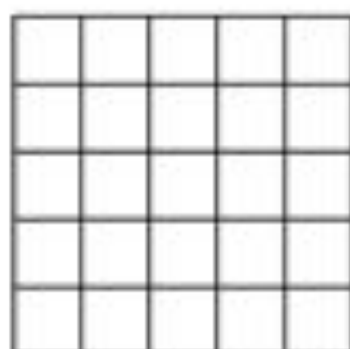
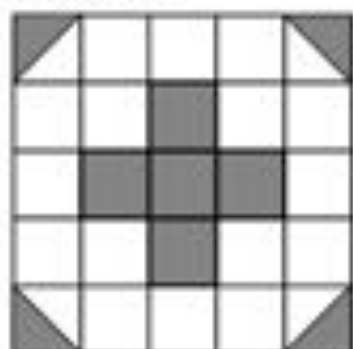
Colour the flowers in the garden.

9 - red    8 - yellow    7 - blue    6 - purple    5 - orange  
 4 - pink    3 - green    2 - brown    1 - grey



Date: \_\_\_\_\_ Patterns, Functions and Algebra

Copy the patterns.



Copy and extend the pattern.

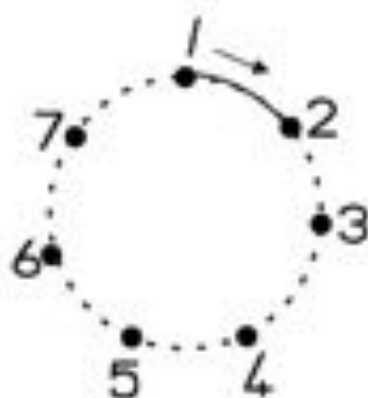
Date: \_\_\_\_\_ Complete these number sequences100 : 104 : 108 :  :  :  :  :  : 132

65 : 70 : 75 :  :  :  :  : 100 :  :

0 : 10 : 20 :  :  :  :  : 70 :  :  :

Date: \_\_\_\_\_ Geometry

Join the dots to complete the circles.



Colour this circle orange



Colour this circle blue



Colour this circle green

1. What colour is the biggest circle?

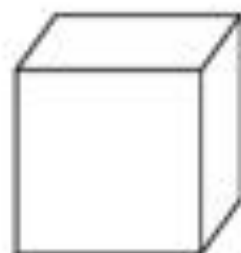
2. What colour is the smallest circle?



Colour this block red



Colour this block yellow



Colour this block purple

1. What colour is the biggest block?

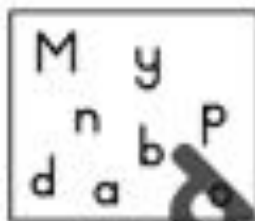
2. What colour is the smallest block?



Choose the correct letters to complete the answers.  
Cross out the letters as you use them.

1. The first day of the school week is

\_\_\_\_\_



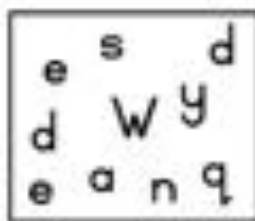
2. The second day of the school week is

\_\_\_\_\_



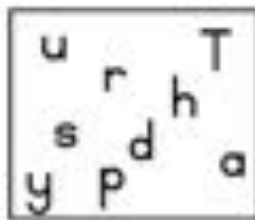
3. The third day of the school week is

\_\_\_\_\_



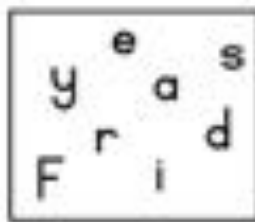
4. The fourth day of the school week is

\_\_\_\_\_



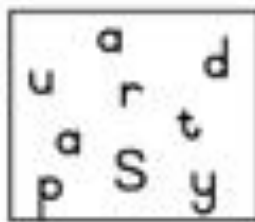
5. The last day of the school week is

\_\_\_\_\_



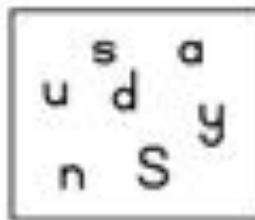
6. The first day of the weekend is

\_\_\_\_\_



7. The second day of the weekend is

\_\_\_\_\_



Place the months of the year in the correct sequence by ordering them from 1 to 12.

 April

 June

 January

 November

 February

 September

 July

 October

 March

 May

 August

 December

Date: \_\_\_\_\_ Measurement: Time

1. What time did Anna come home from school?


 o'clock

2. What time did Anna eat supper?


 o'clock

3. What time did Anna have a bath?


 o'clock

4. What time did Anna go to bed?



o'clock

5. What time did Anna wake up in the morning?



o'clock

Date: \_\_\_\_\_ Measurement: Time

Draw in the hands to fill in the time on these clocks.



one o'clock



twelve o'clock



nine o'clock



six o'clock



three o'clock



ten o'clock

Date: \_\_\_\_\_ Measurement: Time

1. If the soccer match starts at 3 o'clock, show what time it will end if it ends 2 hours later.



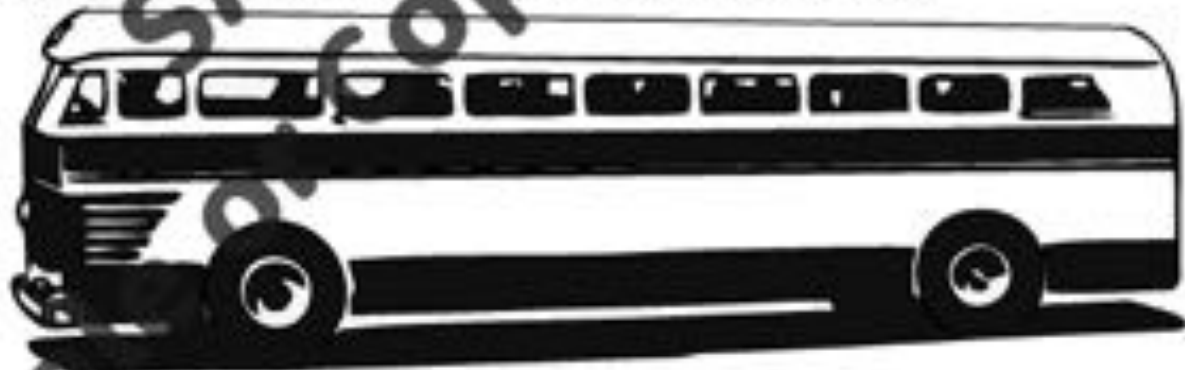
2. The team arrives one hour earlier for the soccer match. Show what time the team arrives.



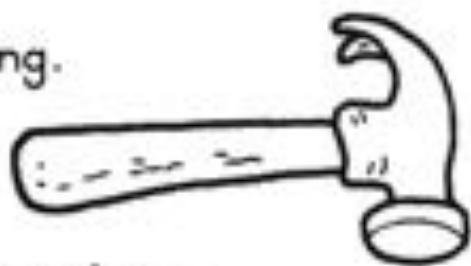

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Date: \_\_\_\_\_ Measurement: \_\_\_\_\_

Use your counters to measure the following:



1. The bus is \_\_\_\_\_ counters long.



2. The hammer is \_\_\_\_\_ counters long.



1. The snake is \_\_\_\_\_ counters long.

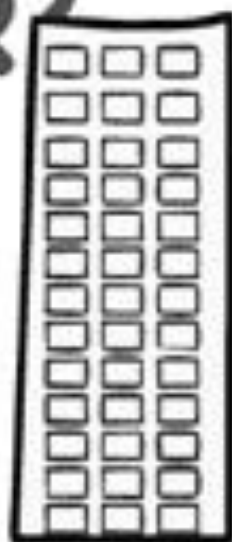


2. The bench is \_\_\_\_\_ counters long.

---

Date: \_\_\_\_\_ measurement.

Use a paper clip and measure the following:



1. The building is \_\_\_\_\_ paper clips high.



2. The tree is \_\_\_\_\_ paper clips high.



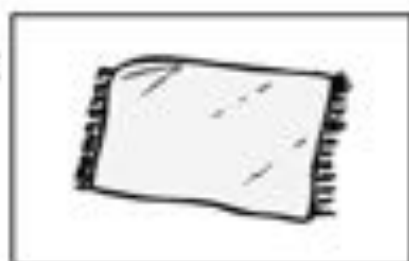
3. The umbrella is \_\_\_\_\_ paper clips high.



4. The man is \_\_\_\_\_ paper clips tall.

What can you measure using your metre stick or a metre long piece of string? Draw a picture of what you measured and write the measurements.

Example:

 metres

1.

 metres

2.

 metres

3.

 metres

5.

 metres metres

Our Class's favourite coloursKey:  = 2

- Which colour is the most popular?
- Which two colours are the least popular?
- Which two colours are equally popular?
- Do more children like green or blue?
- How many children like brown?



Numbers, operations and relationships

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150

Colour the odd numbers light blue and the even numbers light green.

Join the number symbol to the number name

70

thirty-seven

30

fifty

45

forty

37

thirty

50

forty-five

Circle the correct number name

XX XX XX XX XX XX
XX XX XX XX XX XX
XX XX XX XX XX XX
XX XX XX XX XX XX
X

XX XX XX XX XX X
XX XX XX XX XX X
XX XX XX XX XX X

fifty  
 forty-seven  
 forty-three  
 forty-nine  
 thirty-eight

forty-seven  
 thirty-three  
 thirty-seven  
 thirty-six  
 forty-three

Date: \_\_\_\_\_ Order numbers to 50

1. Order these numbers from smallest to greatest.

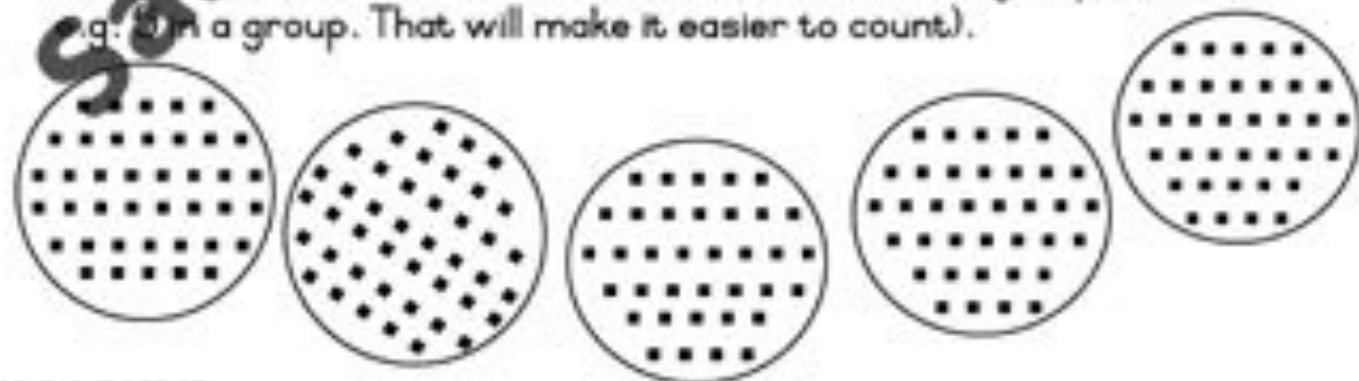
37 43 36 29 0 45 32 41 48 50

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2. Choose 10 numbers between 25 and 50 and put them in order from greatest to smallest.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

3. Draw a line to the groups which have the same number of dots as each other. (HINT: draw circles around groups of dots, e.g. 5 in a group. That will make it easier to count).



4. Circle the numbers greater than 40.

45 50 33 28 30 41 39 47 32 46









5. Circle the numbers less than 40.

26 42 31 49 34 44 36 29

Date: \_\_\_\_\_ Ordinal Numbers

eighth  
 first  
 fifth  
 third  
 ninth  
 second  
 sixth  
 fourth  
 seventh  
 tenth

3rd  
 6th  
 10th  
 4th  
 7th  
 1st  
 5th  
 9th  
 2nd  
 8th

Draw the  first on the line  
 second on the line  
 third on the line  
 fourth on the line  
 fifth on the line  
 sixth on the line  
 seventh on the line  
 eighth on the line

Choose the correct numbers to write in the blocks.

1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th

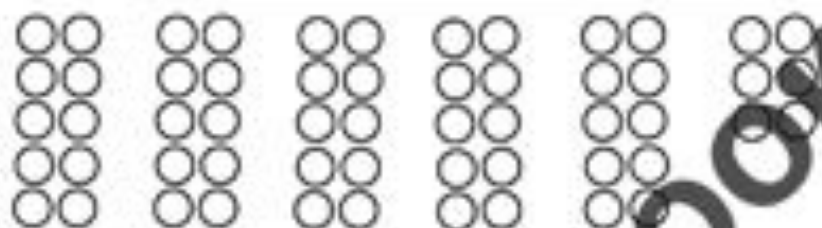


Fill in the tens and the units (ones).

Example:

4 tens and 3 units = 43

1.



□ tens and □ units = □□

2.



□ tens and □ units = □□

3.



□ tens and □ units = □□

4.



□ tens and □ units = □□



tens and  units =



6. Draw a line to the numbers which are the same.

4 tens and 9 units	32
2 tens and 1 unit	45
3 tens and 2 units	36
1 ten and 4 units	48
1 ten and 7 units	49
2 tens and 3 units	30
4 tens and 5 units	21
3 tens and 6 units	17
4 tens and 8 units	23
5 tens	14

Date: \_\_\_\_\_ Problem solving

Write the number sentence for each word sum. Show your working out.

1. At the beach, I built 12 sand castles on Monday, 7 on Tuesday and 11 on Wednesday. How many sand castles did I build altogether?



2. Forty-five children were invited to a birthday party, 17 didn't arrive. How many children were there at the party?

3. There were  $14$  cows,  $14$  calves and  $10$  horses on the farm.  
How many animals were there altogether?



4. There were  $40$  umbrellas on the beach. A strong wind blew  $29$  away. How many were left?



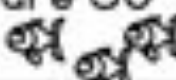
5. Mom made  $35$  hamburgers for the party. Seventeen were eaten and  $8$  were too burnt. How many burgers were left?




6. Shelly has  $12$  cousins,  $4$  sisters,  $2$  brothers and  $30$  friends coming to her party. How many people will she have altogether at her party?


Date: \_\_\_\_\_ Sharing and grouping

1. A store sells a table and  $4$  chairs together. How many tables will there be if there are  $28$  chairs?

2. The pet shop keeps 3 fish in each fish tank. There are 30 fish altogether. How many tanks are there? 

3. Lisa has 27 cards she would like to share equally amongst her 13 friends. How many cards can each friend get?

4. Pam needs 2 pegs for each shirt she wants to hang on the line. She has 30 pegs altogether. How many shirts can she hang on the line? 

5. There are 8 nests in a tree. Only 3 birds can fit in each nest. If there are 29 birds, how many birds won't be able to fit into the nests? 

Date: \_\_\_\_\_ Equal sharing leading to fractions

Use these words to help you with your answers:

1. Divide this pizza into 2 equal parts. Colour one half.



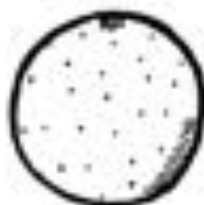
Each part is called a

2. Divide this chocolate into 3 equal parts. Colour one third.



Each part is called a

3. Divide this orange into 4 equal parts. Colour one quarter.



Each part is called a

Date: \_\_\_\_\_ Repeated addition

1. If a hen lays 2 eggs every day for 2 weeks, how many eggs does she lay altogether?

2. In exactly 3 weeks time James will have his party. How many days must he wait?



3. How many feet and tails do 6 cats have?





4. Gran plants 3 rows of tomato plants with 8 plants in each row. How many tomato plants are there altogether?



5. There are seventeen trees. Each tree has 2 apples. How many apples altogether?



Date: \_\_\_\_\_ Grouping and sharing

1. Lebo and Jabu must share 4 bread rolls equally between them. Draw a picture to show your answer.

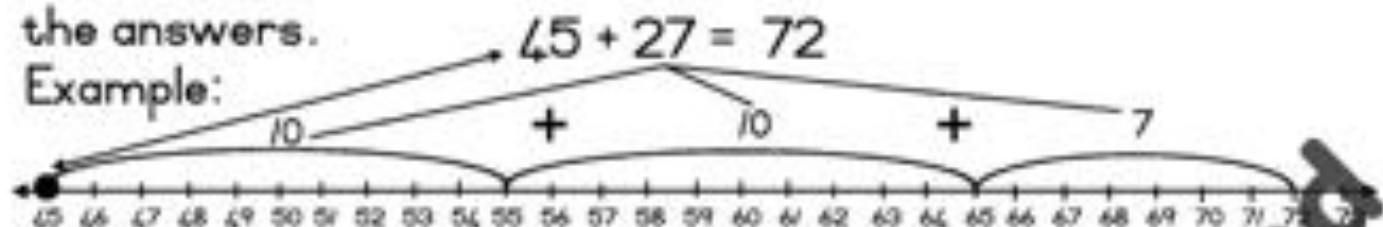
2. Hunter, Jess and Madi want to share 4 chocolate bars equally amongst themselves. How much chocolate does each child get? Draw a picture to show your answer.

3. Four children want to share 5 biscuits. How can they share them equally? Draw a picture to show your answer.

Date: \_\_\_\_\_ Working with number lines  
Addition and Subtraction

Show the number sentences on the number lines and find the answers.

Example:



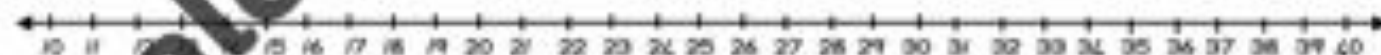
$$22 + 29 = \square \square$$



$$50 - 23 = \square \square$$



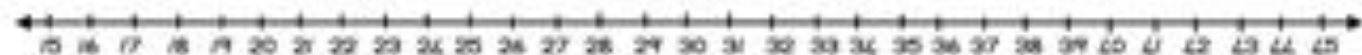
$$15 + 18 = \square \square$$



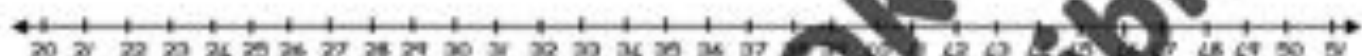
$$45 - 29 = \square \square$$



$$16 + 26 = \square \square$$



$$48 - 19 = \square \square$$



Date: \_\_\_\_\_ Working with number lines

Example:



hop (group) 1

8

hop (group) 2

8

hop (group) 3

8

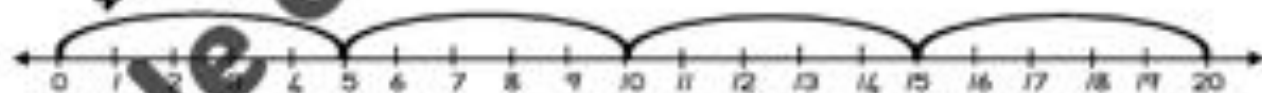


$$8 + 8 + 8 = 24$$

$$3 \text{ hops of } 8 = 24$$

$$3 \text{ groups of } 8 = 24$$

$$3 \times 8 = 24$$



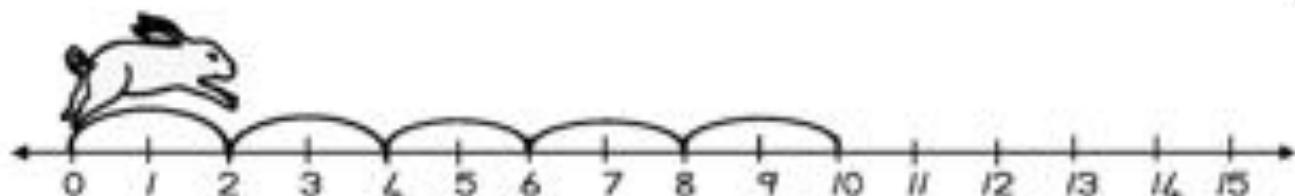
$$\square + \square + \square + \square = \square \square$$

$$\square \text{ hops of } \square = \square \square$$

$$\square \text{ groups of } \square = \square \square$$

$$\square \times \square = \square \square$$





$$\square + \square + \square + \square + \square = \square \square$$

$$\square \text{ hops of } \square = \square \square$$

$$\square \text{ groups of } \square = \square \square$$

$$\square \times \square = \square \square$$



$$\square + \square = \square \square$$

$$\square \text{ hops of } \square = \square \square$$

$$\square \text{ groups of } \square = \square \square$$

$$\square \times \square = \square \square$$



$$\square + \square + \square + \square + \square + \square = \square \square$$

$$\square \text{ hops of } \square = \square \square$$

$$\square \text{ groups of } \square = \square \square$$

$$\square \times \square = \square \square$$



In the ice-cream scoops write the doubles to equal the number in the cone.

Example:



Date: \_\_\_\_\_

Doubling  
Doubles

$5 + 5 =$

$6 + 6 =$

$7 + 7 =$

$8 + 8 =$

$9 + 9 =$

$10 + 10 =$

$11 + 11 =$



$12 + 12 =$

$13 + 13 =$

$14 + 14 =$

$15 + 15 =$

$20 + 20 =$

$24 + 24 =$

$25 + 25 =$

Near doubles

$6 + 7 =$

$7 + 8 =$

$8 + 9 =$

$9 + 10 =$

$10 + 12 =$

$11 + 13 =$

$11 + 15 =$



$12 + 14 =$

$13 + 15 =$

$15 + 16 =$

$20 + 22 =$

$24 + 25 =$

$25 + 27 =$

$22 + 21 =$

Date: \_\_\_\_\_ Money



1. How many:

- (5c) will you need to buy a pencil for (50c)?
- (10c) will you need to buy a sweet for (R1)?
- (20c) will you need to buy an ice-cream for (R2)?
- (50c) will you need to buy chips for (R5)?
- (R1) will you need to buy a burger for (R40)?

2. Goodwill spent (50c) on 10 sweets. How much money does he need for 20 sweets? \_\_\_\_\_

3. Can you share 60c among 3 friends equally? Show how.

4. Zeema owes her friend R5. She pays her with R10. How much change should she get? \_\_\_\_\_

5. Kyra spent R27. She has R50. How much money does she have left?

6. Using the money in Jodi's purse help her pay for a book which costs R36. Draw what coins you would use.

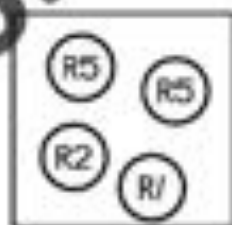


7. Simpiwe has 20  $\text{\textcircled{10c}}$  and 10  $\text{\textcircled{5c}}$  coins in her money box. Has she got enough money to buy flowers for her mother which cost R3? \_\_\_\_\_

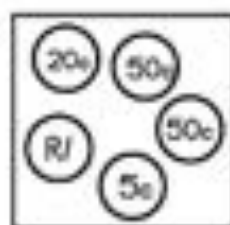
8.



Samuel



Lilly



a) Who has the most coins? \_\_\_\_\_

b) Who has the most money? \_\_\_\_\_





Write these as addition number sentences.

Example:

$$\text{Double } 20 \longrightarrow \boxed{20} + \boxed{20} = \boxed{40}$$

$$\text{Double } 25 \longrightarrow \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\text{Double } 22 \longrightarrow \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\text{Double } 15 \longrightarrow \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Help Double Dan to find these answers.



$$38 = 19 + \boxed{\phantom{00}}$$

$$12 + 12 = \boxed{\phantom{00}}$$

$$6 + \boxed{\phantom{00}} = 32$$

$$\boxed{\phantom{00}} + 17 = 34$$

$$36 = \boxed{\phantom{00}} + 18$$

$$23 + 23 = \boxed{\phantom{00}}$$

Strategy: (Identify near doubles)

Example:  $16 + 17 = 33$

$$(16 + 16) + 1 = 33$$

$$19 + 20 = \boxed{\phantom{00}}$$

$$24 + 25 = \boxed{\phantom{00}}$$

$$21 + 22 = \boxed{\phantom{00}}$$

$$15 + 16 = \boxed{\phantom{00}}$$

$$12 + 13 = \boxed{\phantom{00}}$$

$$10 + 11 = \boxed{\phantom{00}}$$

Strategy: (Change a number to a multiple of 10 then add or subtract ones)

Example:  $19 + 29 = 48$   
 $20 + (29 - 1) = 48$   
 $= 20 + 28 = 48$



$28 + 19 = \square \square$

$16 + 32 = \square \square$

$18 + 25 = \square \square$

$31 + 17 = \square \square$

$15 + 33 = \square \square$

$27 + 21 = \square \square$

Strategy: (Using halving to break down a number)

Example:  $31 + 16 = 47$   
 $31 + (8 + 8) = 47$   
 $(31 + 8) + 8 = 47$

$29 + 12 = \square \square$

$21 + 26 = \square \square$

$10 + 29 = \square \square$

$30 + 19 = \square \square$

$19 + 18 = \square \square$

$17 + 32 = \square \square$

Strategy: (Breaking down a number into smaller parts)

Example:  $23 + 32 = 55$

$(20 + 3) + (30 + 2) = 55$

$(20 + 30) + (3 + 2) = 55$

$50 + 5 = 55$



$26 + 23 = \square \square$

$31 + 13 = \square \square$

$24 + 18 = \square \square$

$19 + 37 = \square \square$

$16 + 24 = \square \square$

$17 + 28 = \square \square$



Date: \_\_\_\_\_ SubtractionStrategy: (Breaking up both numbers)Example:  $47 - 23 = 24$ 

$$(40+7) - (20+3) = 24$$

$$(40-20) + (7-3) = 24$$

$$20 + 4 = 24$$



$50 - 39 = \square \square$

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$45 - 16 = \square \square$

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$38 - 23 = \square \square$

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$43 - 19 = \square \square$

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$49 - 17 = \square \square$

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---

$39 - 18 = \square \square$

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Strategy: (breaking up one number)Example:  $48 - 23 = 25$ 

$$48 - (20+3) = 25$$

$$(48-20) - 3 = 25$$

$$28 - 3 = 25$$

$29 - 18 = \square \square$

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$36 - 27 = \square \square$

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$50 - 17 = \square \square$

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---

$48 - 19 = \square \square$

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---



---

$41 - 14 = \square \square$

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Date: \_\_\_\_\_

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50



Use this number block to work out your answers.

Example: 15 add on 19 = 34

$26 \text{ add on } \square \square$

$43 \text{ subtract } 9 = \square \square$

$13 \text{ add on } 23 = \square \square$

$50 \text{ subtract } 31 = \square \square$

$8 \text{ add on } 15 = \square \square$

$36 \text{ subtract } 17 = \square \square$

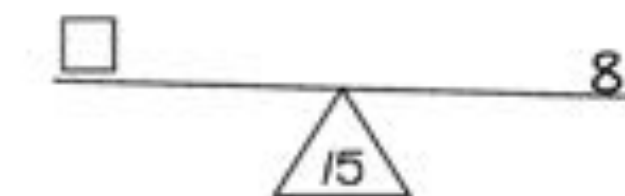
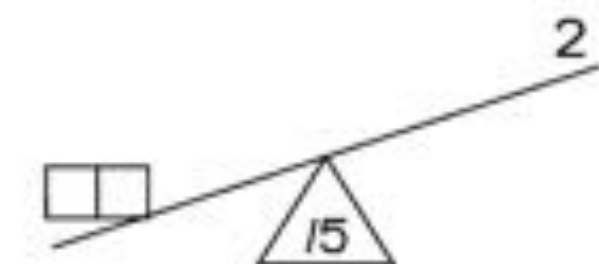
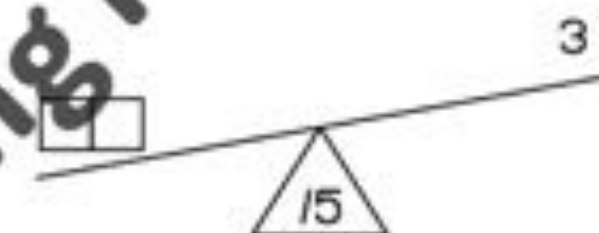
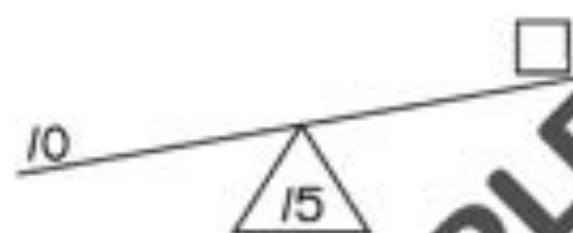
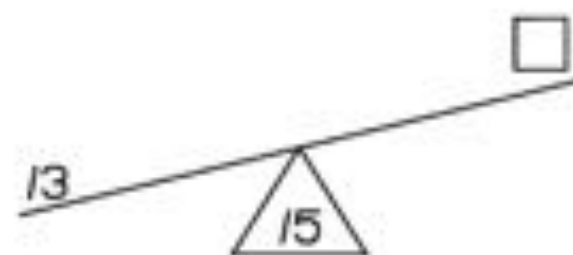
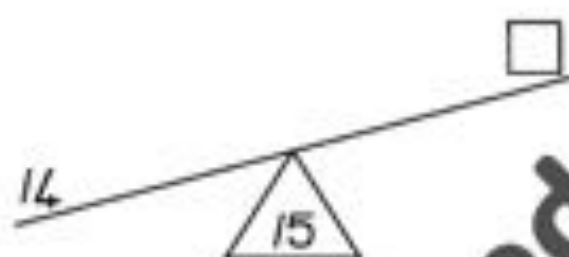
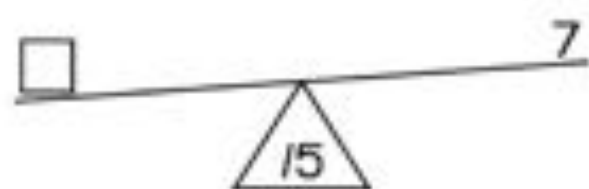
$9 \text{ add on } 35 = \square \square$

$29 \text{ subtract } 12 = \square \square$

$18 \text{ add on } 29 = \square \square$

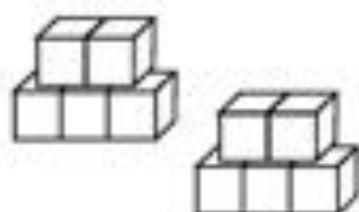
$46 \text{ subtract } 16 = \square \square$

Fill in the missing numbers so that both sides equal 15.





1 group of 5 is 5  
 $1 \times 5 = 5$



2 groups of 5 is

$$5 + 5 = \text{$$

$$2 \times 5 = \text{$$



3 groups of 5 is

$$5 + 5 + 5 = \text{$$

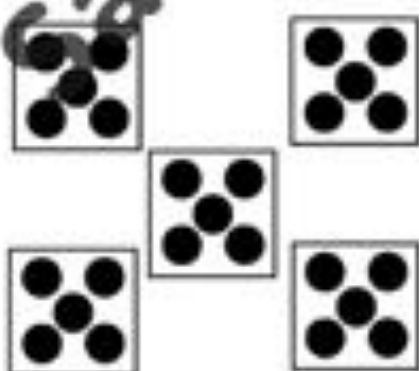
$$3 \times 5 = \text{$$



groups of 5 is

$$5 + \text{} + \text{} + \text{} = \text{$$

$$\text{} \times 5 = \text{$$



groups of 5 is

$$5 + \text{} + \text{} + \text{} + \text{} = \text{$$

$$\text{} \times 5 = \text{$$



groups of 5 is

$$5 + \square + \square + \square + \square + \square = \square \square$$

$$\square \times 5 = \square \square$$



groups of 5 is

$$5 + \square + \square + \square + \square + \square + \square = \square \square$$

$$\square \times 5 = \square \square$$



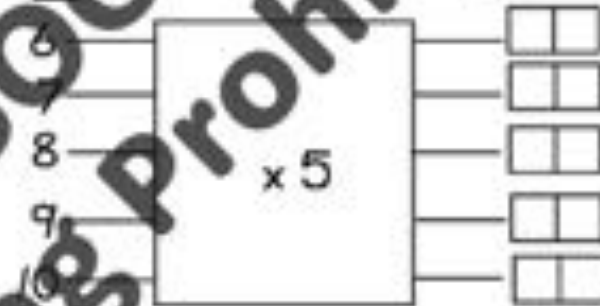
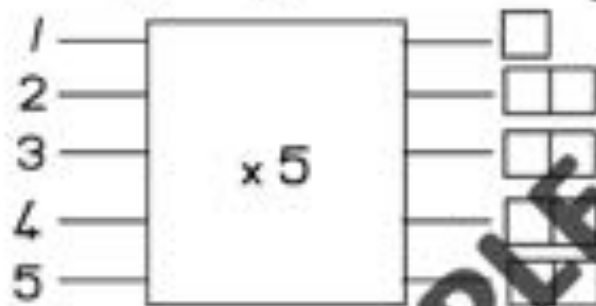
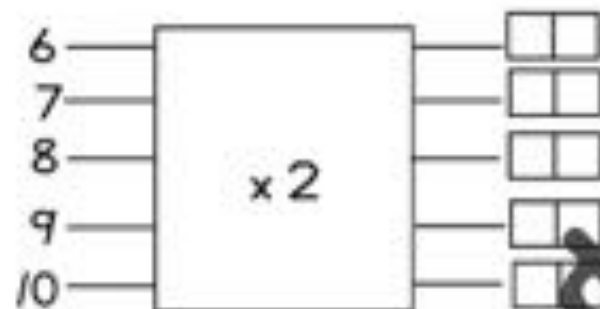
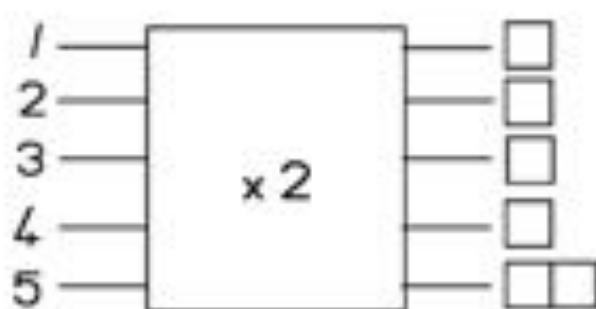
groups of 5 is

$$5 + \square + \square + \square + \square + \square + \square + \square = \square \square$$

$$\square \times 5 = \square \square$$



Date: \_\_\_\_\_



Date: \_\_\_\_\_

Colour in the multiples of 2

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Colour in the multiples of 5

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Cut out the shapes below, fold them in half, colour one half red and one half green and name each part. Then paste them down on the next page.



Cut out the shapes below, fold them in into quarters, colour each quarter in a different colour. Name each part.



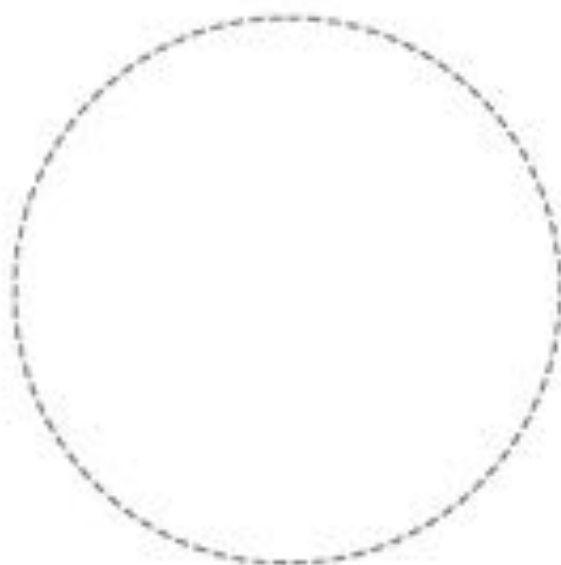
**SAMPLE BOOK**  
**Sale or Copying Prohibited**

Paste shapes here over the dotted lines.

Halves



Quarters



Date: \_\_\_\_\_ Introduction to fractions

What fraction of each shape is shaded? Draw lines to the correct names.



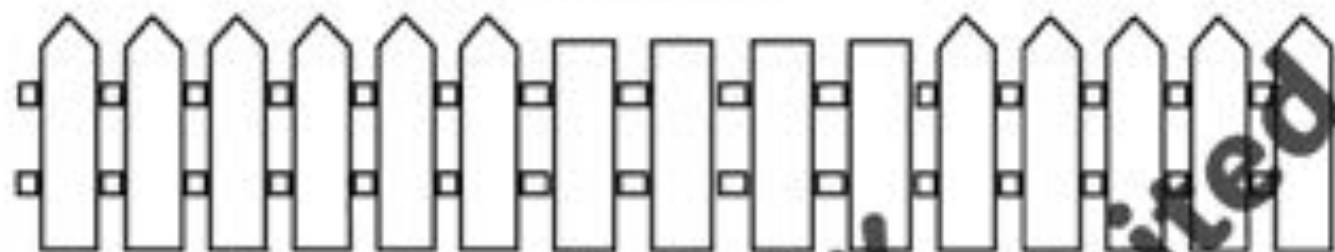
1 third	$\frac{1}{3}$
1 quarter	$\frac{1}{4}$
1 half	$\frac{1}{2}$
1 fifth	$\frac{1}{5}$

Date: \_\_\_\_\_

Slice the pizza in half and give each child one half.  
Draw lines from the pizza pieces to each child.

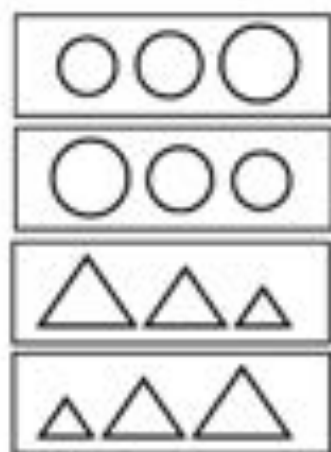


Look at the shapes below. Colour the fence where the shapes fit in.



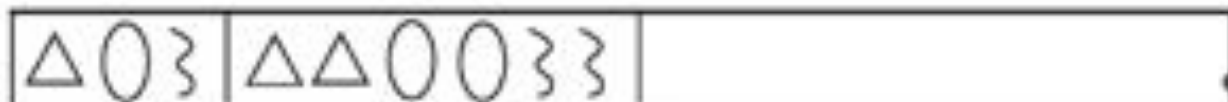
Date: \_\_\_\_\_

Use these patterns to decorate Lebo's dress.

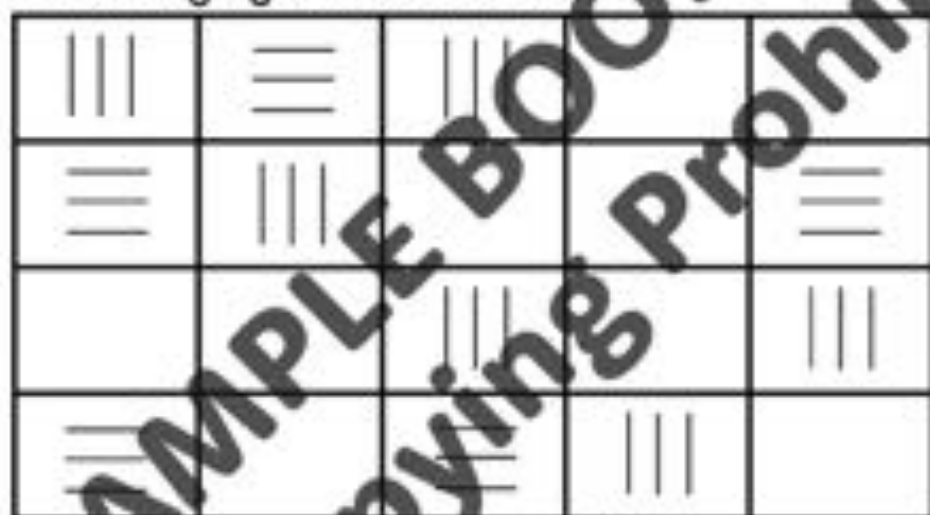


Finish threading her necklace by using these patterns.



Date: \_\_\_\_\_ Extend these patterns

Help dad finish laying the tiles on the floor.



Date: \_\_\_\_\_

Fill in the missing number patterns60, 70, , , , 110, , 105, 110, , , , , , , 57, 60, , , , , 75, , , 8444, 46, , , , 54, , , , , 64, 20, 24, , , , 40, , , ,

Date: \_\_\_\_\_

Complete the number chart

1		3	4	5	6	7	8	9	10
11	12	13		15	16	17	18	19	20
21	22	23	24	25	26	27	28		30
	32	33	34		36	37	38	39	
41	42	43	44	45	46	47		49	50
51	52	53	54	55		57	58	59	60
61	62		64	65	66		68		70
71	72	73		75	76	77	78	79	
	82	83	84	85		87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104		106	107	108	109	110
	112	113	114	115	116		118	119	120
121	122		124	125	126	127	128		130
131	132	133	134		136		138	139	140
141	142	143	144	145	146	147	148	149	150

Riddles

- I am a 2 digit number. I am more than 41 and less than 44. My last digit is a 3. What number am I?
- I am more than 5 tens. I am less than 54. I have 2 units what number am I?
- I am between 60 and 70. My tens digit is the same as my units digit. What number am I?





Date: \_\_\_\_\_



	1. Draw a triangle in front of the shoe.
	2. Draw a cross on top of the roof.
	3. Draw a stick behind the shoe.
	4. Draw a girl standing to the left of the shoe.
	5. Draw a ball next to the triangle.
	6. Draw a tree to the right of the shoe.
	7. Draw a balloon up in the air.

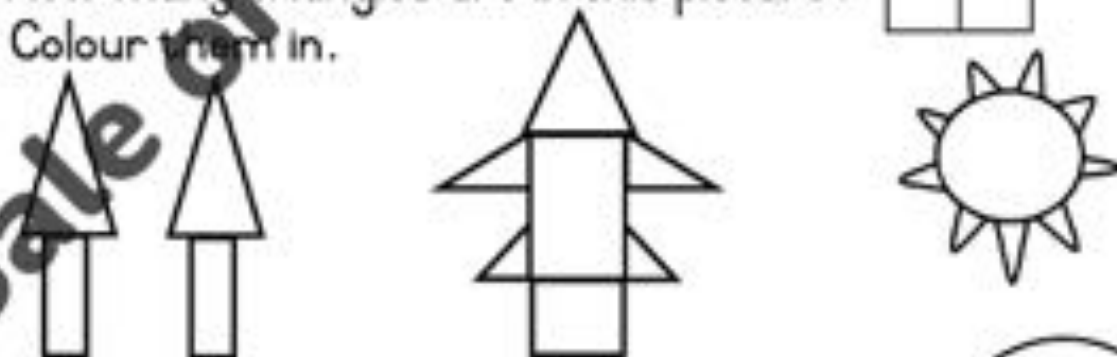
Date: \_\_\_\_\_

Shapes

1. How many rectangles are in the picture?    
Colour them in.



2. How many triangles are in this picture?    
Colour them in.



3. How many circles are in this picture?   
Colour them in.



4. How many squares do you find in this picture?

Colour all the squares.



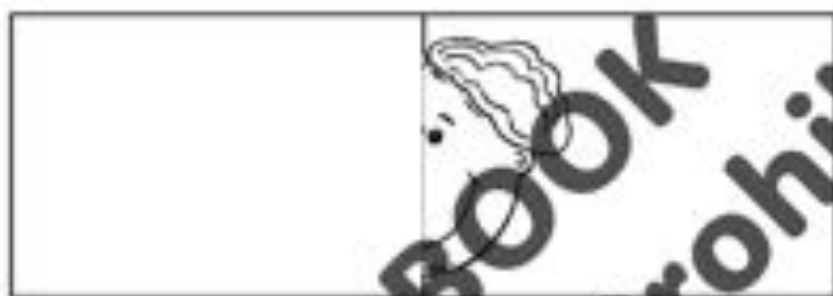
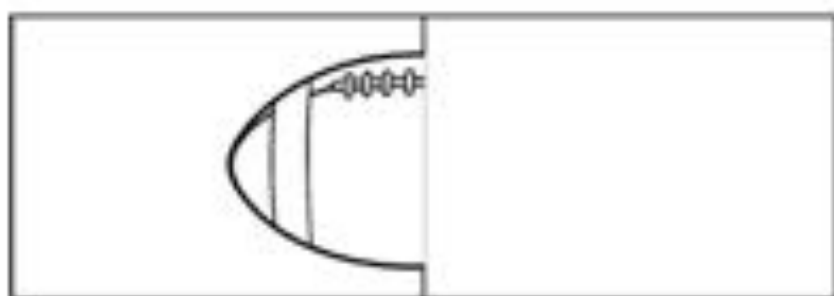
Date: \_\_\_\_\_ What shapes are there?

Join the dots and then draw lines from the shapes to their correct names.

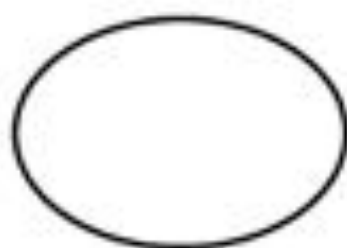


square
triangle
circle
rectangle

1. Complete the pictures to make them symmetrical (both sides the same).



2. Draw the line or lines of symmetry in each picture. Each side must be the same.



Date: \_\_\_\_\_ Measurement: Time

Draw the correct times on each clock.



11 o'clock



half past 11



10 o'clock



half past 10



12 o'clock



half past 12



4 o'clock



half past 4

Date: \_\_\_\_\_



1. If Mike finishes his homework at 3 o'clock and starts soccer half an hour later, what time does soccer start? Draw the time on the clock.

2. Sipho needs to be at a party at 2 o'clock but arrives 2 and a half hours late. What time does he arrive at the party?  
Draw the time on the clock.



3. Jenna goes to sleep at half past 8 and wakes up 3 hours later for a drink of water. What time does she wake up? Draw the time on the clock.

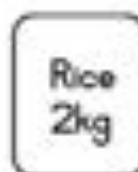


Date: \_\_\_\_\_ Measurement: Length

Each square is 1 metre.



- How many metres is it from Gift's home to the pond?
- How many metres is it from the pond to the picnic table?
- How many metres will Gift have to walk from his home to the tree swing?
- How much further is the picnic table than the pond from Gift's house?

Date: \_\_\_\_\_ Introduction to kilograms

1. Which package is the heaviest?

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

Mass:  kg

2. Which package is the lightest?

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

Mass:  kg

3. Which package is 6kgs heavier than the flour? \_\_\_\_\_

4. What is the combined mass of the sugar and the rice?

 kg

5. Write the mass of the packages in order from heaviest to lightest.

 kg  kg  kg  kg6. What is your own mass in kg?  kgDate: \_\_\_\_\_ Volume1. Mandy uses 3 cups of milk to make a milkshake. How much milk does she use to make milkshakes for 4 friends?  

2. You need 2 teaspoons of baking powder to bake a cake. If Sally used 10 teaspoons of baking powder, how many cakes did she bake?

3. My aunt uses 8 spoons of butter for a sauce. How much butter will she need if she doubles her ingredients?

Date: \_\_\_\_\_ Data handling

Pictograph

Class weekly lunches






Key: ☺ = 2  
☺ = 1

- How many children get sandwiches for lunch? \_\_\_\_\_
- Which lunch is the most popular? \_\_\_\_\_
- Which is the least popular? \_\_\_\_\_
- How many children get yoghurt? \_\_\_\_\_

## Popular Subjects

Number of votes

Maths	
Spelling	
Life Skills	
Art	

= 1 vote

How many children voted? \_\_\_\_\_

Arrange the subjects in order from most popular to least popular:

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Which is your favourite subject? \_\_\_\_\_

How many more children like life skills than art?

\_\_\_\_\_