



Fun with Maths 3.2

RECOMMENDED FOR USE IN GRADE 3



NAME _____

SCHOOL _____

GRADE _____



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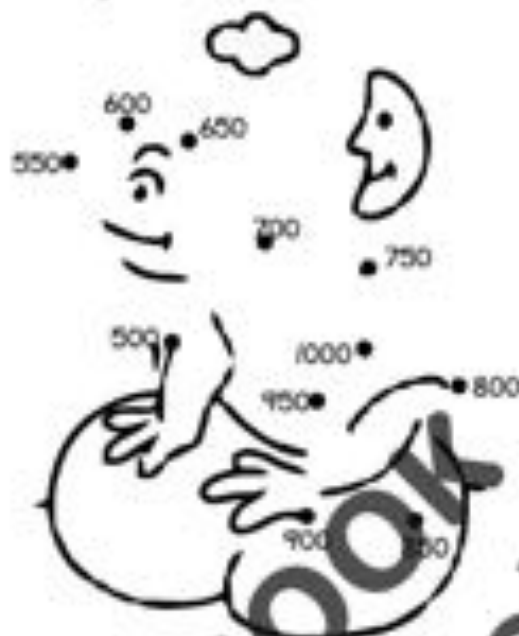
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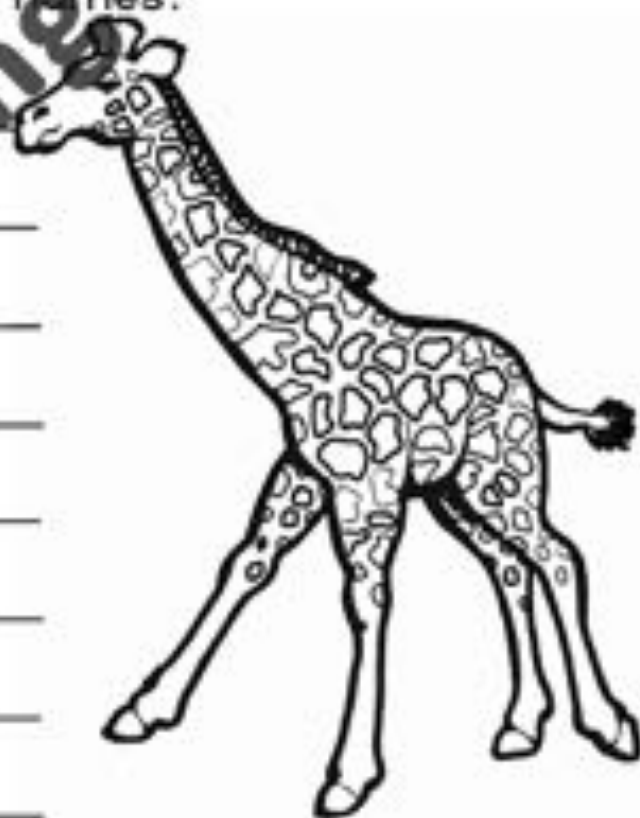
Date: _____ Numbers

Join the dots by counting in 50s from 500 to 1000.



Number these blocks from bottom to top in 100's until you reach 1000. Write the number names.

1000	one thousand
200	two hundred
100	one hundred





1. Estimate the number of objects in total: _____
2. Draw a circle around every ten objects.
3. Count: _____

Circle the smaller number in each row.

1.	324	423
2.	145	451
3.	468	368

4.	271	172
5.	500	450
6.	290	329

Circle the bigger number in each row.

1.	563	653
2.	371	173
3.	700	695

4.	650	560
5.	565	600
6.	475	574

A flock of birds is flying through the sky.



1. Colour the 22nd bird red.
2. Colour the 18th bird blue.
3. Colour the 3rd bird green.
4. Colour the 31st bird pink.
5. Colour the 29th bird orange.
6. Colour the 25th bird black.
7. Colour the 30th bird brown.
8. Colour the 23rd bird yellow.
9. Colour the 27th bird purple.



Date: _____ Place Value

1. Circle the units (ones) in these numbers.

571483709438320

2. Draw a line to the number on the right that matches the underlined number (tens) on the left.

325196204750618478

0

1

9

7

5

2

3. What is the value of the underlined numbers?

Example 784 = 700

196 _____375 _____239 _____520 _____617 _____402 _____

4. Fill in the answers using your knowledge of place value.

$400 + 60 + 3 = \underline{\hspace{2cm}}$

$700 + 50 + 0 = \underline{\hspace{2cm}}$

$500 + 90 + 9 = \underline{\hspace{2cm}}$

$200 + 5 = \underline{\hspace{2cm}}$

$600 + 40 + 4 = \underline{\hspace{2cm}}$

$300 + 70 + 2 = \underline{\hspace{2cm}}$

$100 + 80 + 8 = \underline{\hspace{2cm}}$

5. How many?

605 hundreds

300 units

495 tens

283 units

302 tens

44 hundreds

Date: Word Problems


Addition and Subtraction

Show how you work out the answers.

Thembi has collected 546 stickers. If Jabu gives her 25 stickers he will have the same number as Thembi.

1. How many stickers did Jabu have to start with?

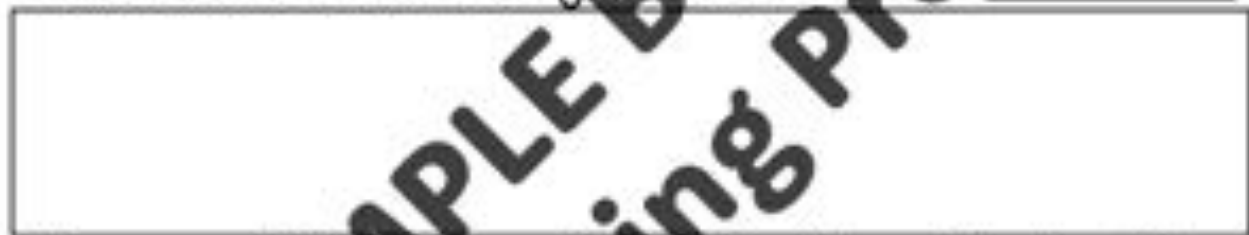
2. How many stickers will they have altogether? _____



3. Jasmin has 610 marbles. Her brother has 160 marbles less than Jasmin. How many marbles does he have?



4. Nomsa and Gift collected 703 bottle tops. Gift found 234 of them. How many did Nomsa find? _____



5. There are 320 birds in Peter's Pet Shop. The Pet Shop Palace has double the number of birds. How many birds do they have? _____



6. There are 319 people watching a rugby game. 327 people are still coming. How many people will there be altogether? _____



7. Sophie is cleaning her bookshelves. She has 390 books and has put 86 books back on the shelves.
How many books does she still need to put back?



8. A farmer has a field full of cows. He gave 220 to farmer Brown and 186 to farmer Khumalo. He still has 394 cows. How many did he have to start with?



9. The Grade 1's collected 285 empty yoghurt containers, the Grade 2's collected 269 containers and the Grade 3's collected 307 containers.

a) How many containers were collected altogether?



b) How many more containers than the Grade 1's did the Grade 3's collect?

1. Jess had to fold 20 boxes in one hour. How many boxes must she fold in 4 hours?

2. A delivery driver has to drop off 4 boxes at 12 different stops. How many boxes does he have?

3. If Margaret ran 14 times around the field each afternoon for 3 days, how many times did she run around the field altogether?

4. To ride on the bumper cars at the funfair each person has to buy 8 tickets. If 7 friends are going together, how many tickets would they need?

5. There are 15 desks in the classroom and 2 learners can sit at each desk. If there are 35 children in the class, how many children won't have desks?



6. If the pet store sells 6 hamsters every day for 5 days and they had 40 hamsters to start with, how many did they sell?



How many hamsters are left?

7. A taxi takes 15 passengers. How many passengers fit into 4 taxis?



8. A box of doughnuts has 12 doughnuts inside. Can 62 doughnuts fit inside 5 boxes?



1. Tom mows 7 lawns an hour and has 21 lawns to mow. How long will it take him?

2. A farmer has 75 bottles of honey to be shared amongst 25 stores. How many bottles go to each store?



3. There are 60 children travelling on a school outing. The school buses hold 12 children each. How many buses will they need?



4. Busi has 116 marbles. He keeps 44 and shares the rest evenly amongst his 6 friends. How many marbles did each friend get?



5. In a competition there are 63 prizes to be shared amongst 8 winners. How many prizes does each winner get?

6. How many prizes are left over? _____

7. Potatoes cost R13 per kilogram. If I have R28, how many kilograms can I buy?



8. I buy 2 kilograms of oranges and it costs me R30. What is the price of oranges for one kilogram?



Date: _____ Sharing leading to fractions

1. Frank has 4 apples. He ate one and a half of the apples. How many were left over?



2. Nomti has to read twelve pages of her book for homework. She has read one third of the pages. How many more must she read?



3. Deb has 3 yellow flowers and 1 red flower. What fraction of her flowers are yellow?



4. There are 6 boys at the party and 2 girls. What fraction of the children are girls? _____



5. Share 8 chocolate bars among 3 friends. How much chocolate does each one get? _____



6. Mom bakes 20 biscuits. One quarter fell on the floor and broke. How many are left? _____



Date: _____ Money

1. Jared and his 2 friends shared R21,30. How much money did each one get? _____



2. If Conrad receives R500 for work he has done and wants to give half to his friend who helped him, how much would they each get? _____



3. Lindi's boss doubles her R340 for working hard. How much money does she get now?

13

4. Write these amounts as rands.



325c _____

496c _____

507c _____

700c _____

160c _____

5. Show 6 different ways that you can make R4.00 by only using notes.

R/0

R20

R50


R/00

R200

e.g. $R50 + R50 + R50 + R50 + R/00 + R/00 = R4.00$

6. Four sweets cost R5 each; 1 cold drink costs R9 and 1 packet of chips costs R8. 14

a) How much money did Abi spend if she bought all of them?



b) How much change will she get if she pays with R50?



7. If Lollies cost 50c, how many can Cindy buy for R10?



8. How many R5 coins can Baili get for R60?

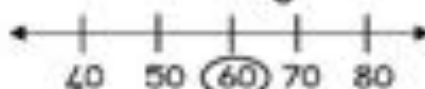


9. Dee has collected twenty R2 coins. How many R20 notes can she get if she changes her coins to notes?

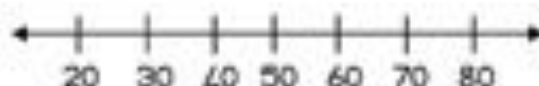
Date: _____ Rounding off

Circle the ten closest to the number given.

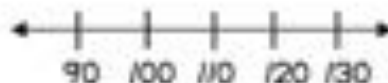
Example: 59



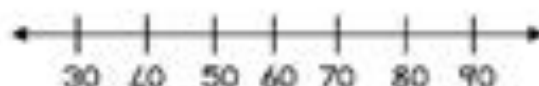
1. 32



2. 91



3. 74



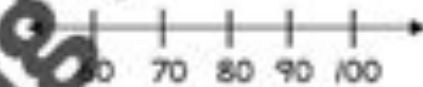
4. 85



5. 33



6. 95

Date: _____ Build these numbers

6 hundreds + 4 tens + 8 units = _____

8h + 5t + 1u = _____

9h + 6t + 2u = _____

8t + 4u = _____

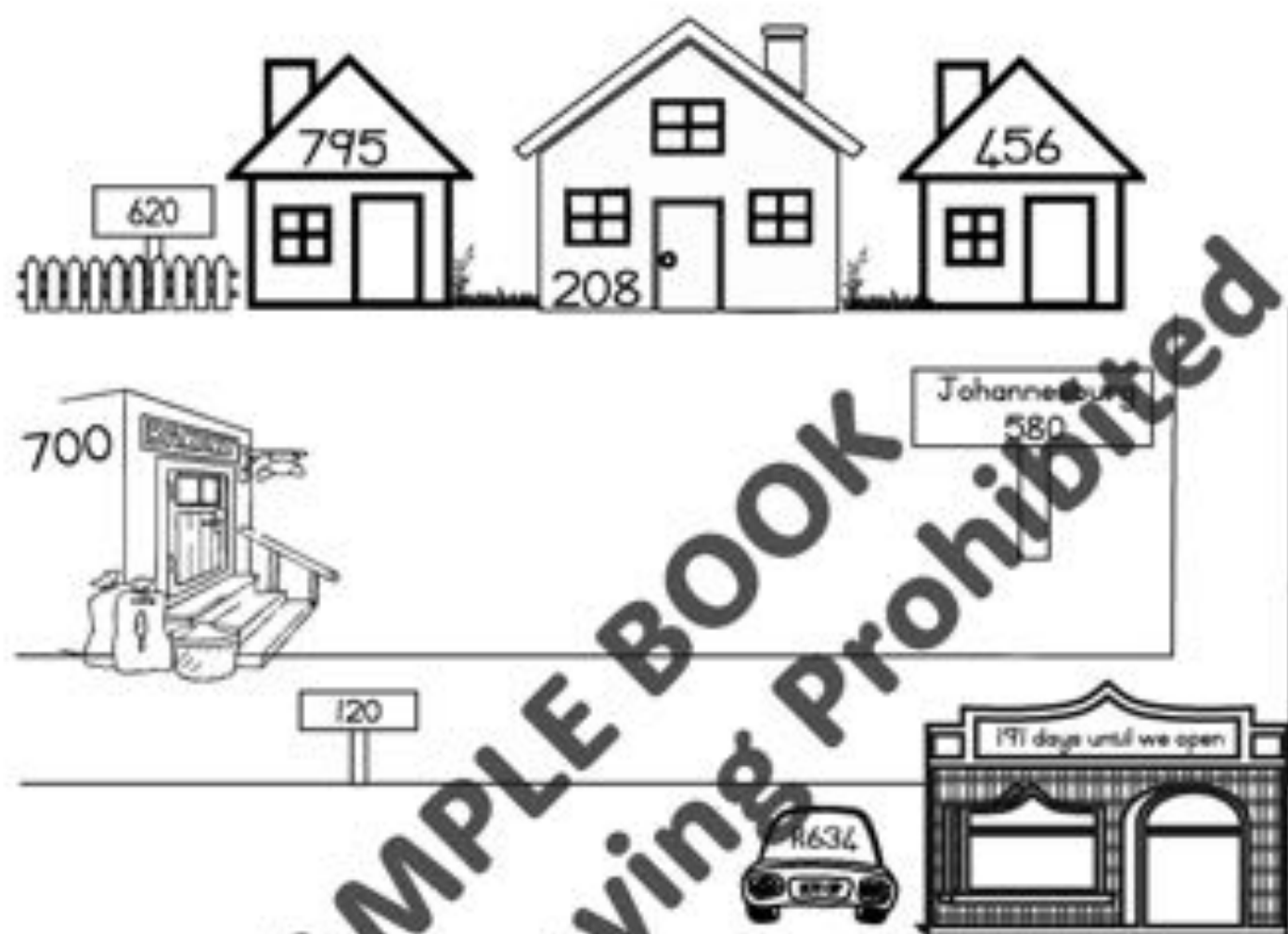
1h + 0t + 8u = _____

7h + 1t + 0u = _____

8t + 4u = _____



Date: _____



Find the numbers in the picture above.


1. Find a number that has 2 hundreds. _____
2. Find a number that has 5 tens. _____
3. Find a number that has 1 unit. _____
4. Find a number that has 2 of the same digits in it. _____
5. Find a number that comes between 590 and 650. _____
6. Find a number that comes between 790 and 800. _____

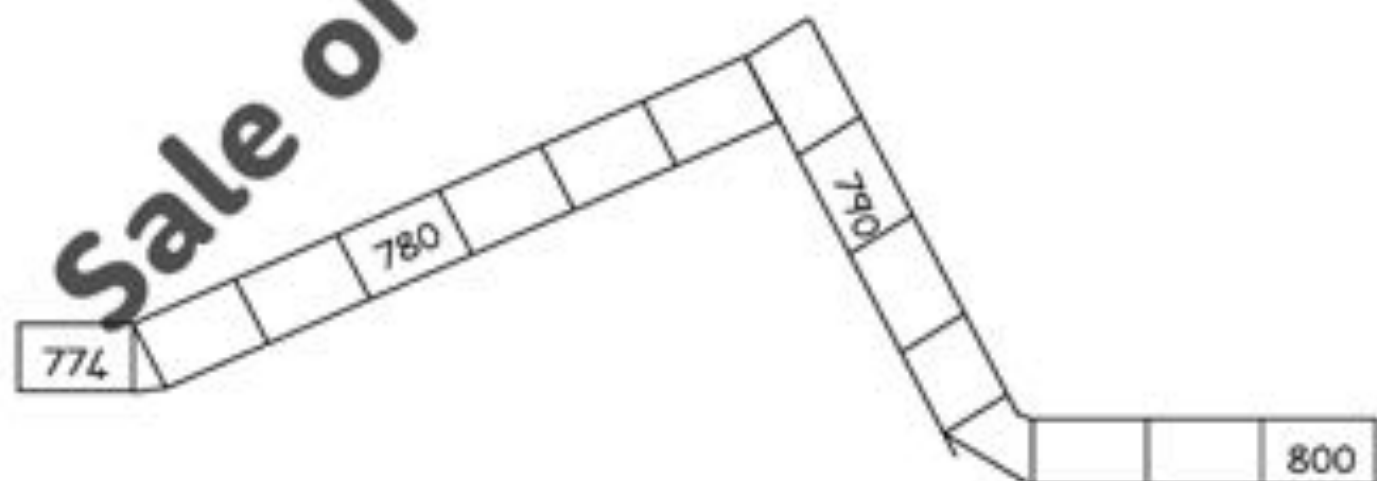
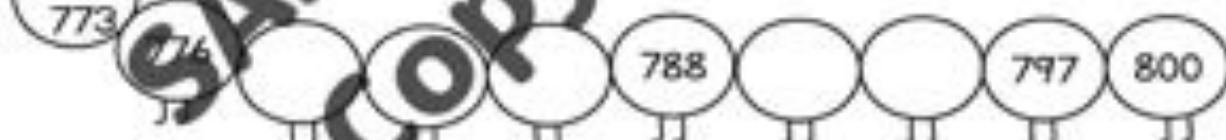
7. Find a number that is smaller than 150. _____

8. Find a number that is 4 more than 630. _____

9. Find a number that is 9 less than 200. _____

Date: _____ Fill in the missing numbers

672	676		684			700	
765				785		800	



Date: _____ Addition

$$\begin{array}{r} 524 \\ + 82 \\ \hline \end{array}$$

$$\begin{array}{r} 751 \\ + 29 \\ \hline \end{array}$$

$$\begin{array}{r} 663 \\ + 41 \\ \hline \end{array}$$

$$\begin{array}{r} 738 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 323 \\ + 436 \\ \hline \end{array}$$

$$\begin{array}{r} 241 \\ + 619 \\ \hline \end{array}$$

$$\begin{array}{r} 577 \\ + 234 \\ \hline \end{array}$$

$$\begin{array}{r} 468 \\ + 302 \\ \hline \end{array}$$



Date: _____ Subtraction

$$\begin{array}{r} 800 \\ - 236 \\ \hline \end{array}$$

$$\begin{array}{r} 794 \\ - 165 \\ \hline \end{array}$$

$$\begin{array}{r} 632 \\ - 520 \\ \hline \end{array}$$

$$\begin{array}{r} 653 \\ - 75 \\ \hline \end{array}$$

$$\begin{array}{r} 747 \\ - 82 \\ \hline \end{array}$$

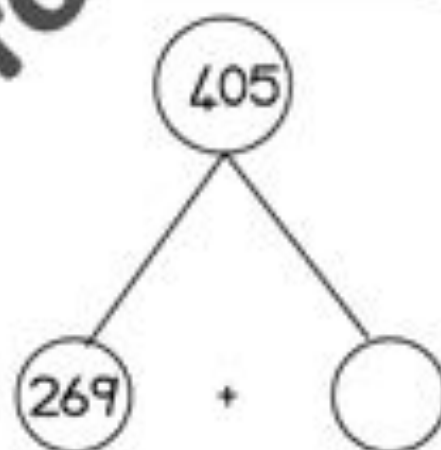
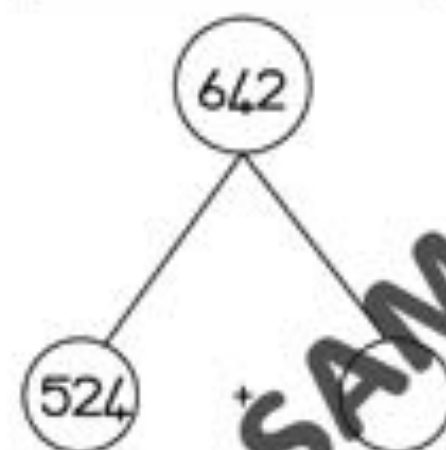
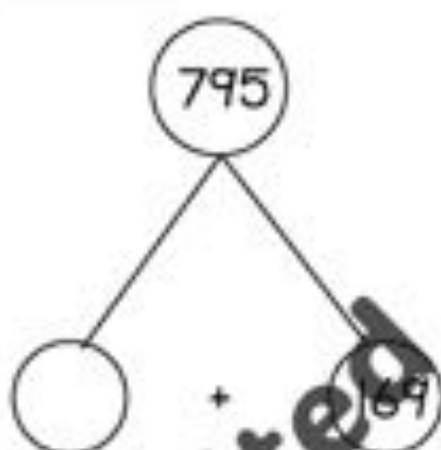
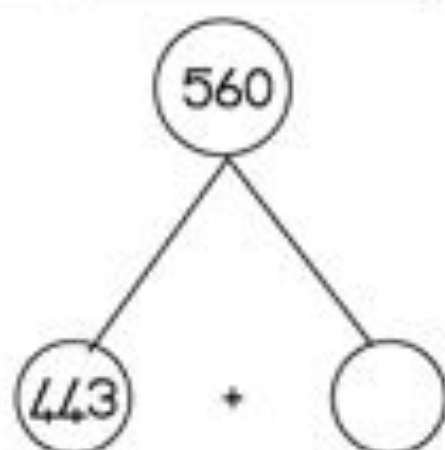
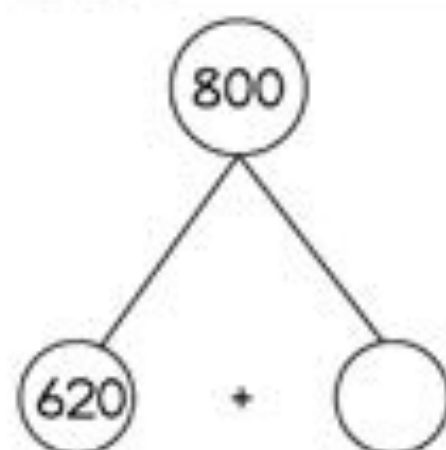
$$\begin{array}{r} 726 \\ - 415 \\ \hline \end{array}$$

$$\begin{array}{r} 800 \\ - 44 \\ \hline \end{array}$$

$$\begin{array}{r} 784 \\ - 99 \\ \hline \end{array}$$



Date: _____ Fill in the missing numbers



Date: _____ Repeated Addition leading to Multiplication

Example: $10 + 10 + 10 + 10 + 10 + 10 = 6 \times 10 = 60$

$5 + 5 + 5 + 5 + 5 + 5 + 5 = 5 \times 7 = \underline{\hspace{2cm}}$

$4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = 4 \times 8 = \underline{\hspace{2cm}}$

$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 2 \times 10 = \underline{\hspace{2cm}}$

$3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 9 \times 3 = \underline{\hspace{2cm}}$

$6 + 6 + 6 + 6 + 6 = 6 \times 5 = \underline{\hspace{2cm}}$

$7 + 7 + 7 + 7 + 7 + 7 + 7 = 7 \times 7 = \underline{\hspace{2cm}}$

How many blocks are there?



Example: $5 \times 4 = 4 \times 5 = 20$

$6 \times 2 = \underline{\quad\quad} = \underline{\quad\quad}$

$8 \times 3 = \underline{\quad\quad} = \underline{\quad\quad}$

$9 \times 10 = \underline{\quad\quad} = \underline{\quad\quad}$

$2 \times 4 = \underline{\quad\quad} = \underline{\quad\quad}$

$8 \times 5 = \underline{\quad\quad} = \underline{\quad\quad}$

$11 \times 5 = \underline{\quad\quad} = \underline{\quad\quad}$

$11 \times 2 = \underline{\quad\quad} = \underline{\quad\quad}$

$12 \times 3 = \underline{\quad\quad} = \underline{\quad\quad}$

Date: _____ Multiplication

Fill in the rows.

	1	2	3	4	5	6	7	8	9	10
$\times 5$										
$\times 10$										

	1	2	3	4	5	6	7	8	9	10
$\times 2$										
$\times 4$										

Date: _____ Division

Choose \times or \div to make the number sentences true.

$99 \square 3 = 33$

$48 \square 2 = 24$

$20 \square 5 = 100$

$12 \square 4 = 3$

$60 \square 5 = 12$

$80 \square 10 = 8$

$15 \square 2 = 30$

$60 \square 3 = 20$

$5 \square 10 = 50$

$40 \square 4 = 10$

Fill in the answers:

Remember: If $25 \div 5 = 5$ then $26 \div 5 = 5$ remainder 1

$13 \div 2 = \underline{6 \text{ remainder } 1}$

$22 \div 3 = \underline{\hspace{2cm}}$

$71 \div 10 = \underline{\hspace{2cm}}$

$25 \div 4 = \underline{\hspace{2cm}}$

$56 \div 5 = \underline{\hspace{2cm}}$

$19 \div 2 = \underline{\hspace{2cm}}$

$34 \div 4 = \underline{\hspace{2cm}}$

$92 \div 10 = \underline{\hspace{2cm}}$

Date: _____ Common fractions

Draw lines to match the fractions that are equal.

6 eighths

1 whole

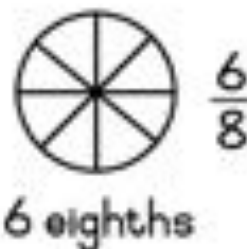
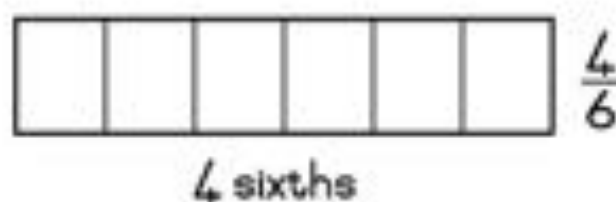
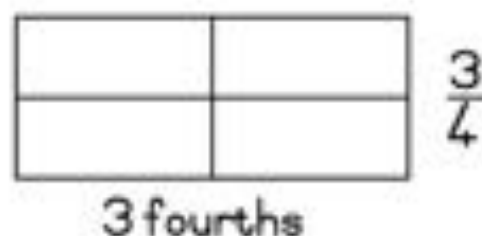
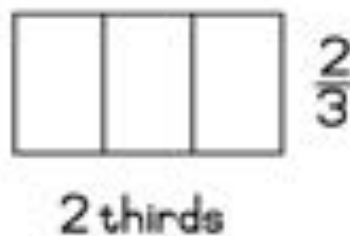
4 quarters

1 half

3 sixths

3 quarters

Colour:



Count all the shaded areas.

How many eighths altogether? _____



How many fourths (quarters) altogether? _____



How many thirds are there altogether? _____



How many fifths are there altogether? _____



Colour the correct block.

1. Is 6 fifths more than one whole? ☐ Yes ☐ No

2. Is 6 fifths less than one whole? ☐ Yes ☐ No

3. Is 6 fifths the same as one whole? ☐ Yes ☐ No

Date: _____ Common fractions1. Draw and shade 7 thirds. $\frac{7}{3}$


How many wholes did you make? _____

How many parts are left over? _____

2. Draw and shade 5 halves. $\frac{5}{2}$


How many wholes did you make? _____

How many parts are left over? _____

3. Draw and shade 11 sixths. $\frac{11}{6}$


How many wholes did you make? _____

How many parts are left over? _____



4. Colour 3 quarters of the boxes.


 $\frac{3}{4}$

5. Colour 2 thirds of the butterflies.


 $\frac{2}{3}$

Date: _____ Geometry: Space and Shape

Colour these 3-D objects as follows:

prisms - yellow

spheres - red

cones - blue

pyramids - green



Using a tray of objects (provided by the teacher), draw a bird's eye view of what you see.



Date: _____ 3-D Objects

Find objects in the classroom or outside which have the same shape as a sphere, a prism, a cylinder, a pyramid and a cone. Draw them in the boxes below.

Sphere

Prism

Cylinder

Pyramid

Cone

Date: _____ 2-D objects



Draw 3 circles of different sizes.

Draw 3 squares of different sizes.

Draw 3 triangles of different sizes and facing different directions.

Draw 3 rectangles of different sizes and facing different directions.

Draw your own picture using 2-D shapes.



Date: _____ Measurement-Time



1. How many minutes in an hour? _____
2. How many minutes in half an hour? _____
3. How many minutes in a quarter of an hour? _____
4. Colour half the clock red to show "past". _____
5. Colour the other half of the clock green to show "to". _____
6. How many hours from 10 am to 6 pm? _____
7. How many hours from 8 pm to 7am? _____

Write the digital time for the clocks below.

am



05:10



pm



17:10



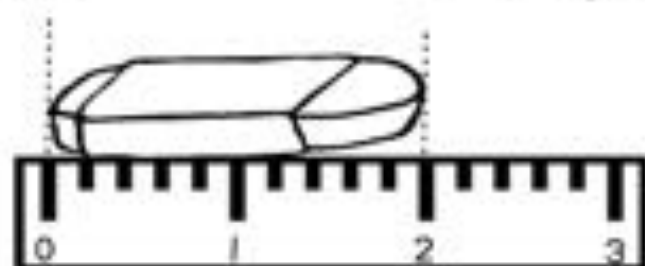
SEPTEMBER 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				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	

Answer these questions:

1. If Bruce goes away on holiday for two weeks, how many days will he be away? _____
2. If there are seven days in a week, how many days are there in 4 weeks? _____
3. Bruce's Granny came to stay with him on the 5th of September, and left on the 26th of September. How long did she stay? _____
4. Bruce is playing in a soccer match on the last Saturday of the month. What date will that be? _____
5. Bruce's dad will be away for 10 days from the 13th September. What date will he get back? _____
4. Bruce and his family are going away for the 3rd weekend in September. What dates will they be away? _____

Date: _____ Length



This eraser is 2cm long.

Using your ruler measure in cm.

AB estimate _____

AB measure _____

BC estimate _____

BC measure _____

CD estimate _____

CD measure _____



AB estimate _____

AB measure _____

BC estimate _____

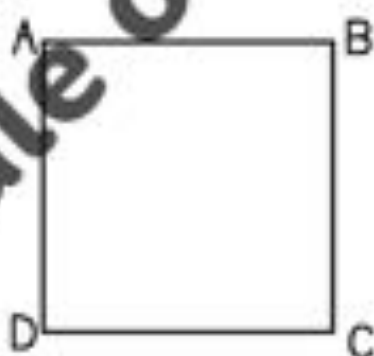
BC measure _____

CD estimate _____

CD measure _____

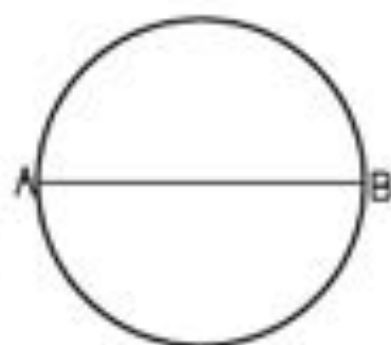
DA estimate _____

DA measure _____



AB estimate _____

AB measure _____



Date: _____ Perimeter

Use pieces of string to measure around different objects.
 Estimate first and then measure which objects have the greater perimeter.
 Draw 3 findings.

Greatest Perimeter	Lesser Perimeter	Smallest Perimeter

Date: _____ Data handling

Use the data in this tally chart and organise the information into a bar graph.

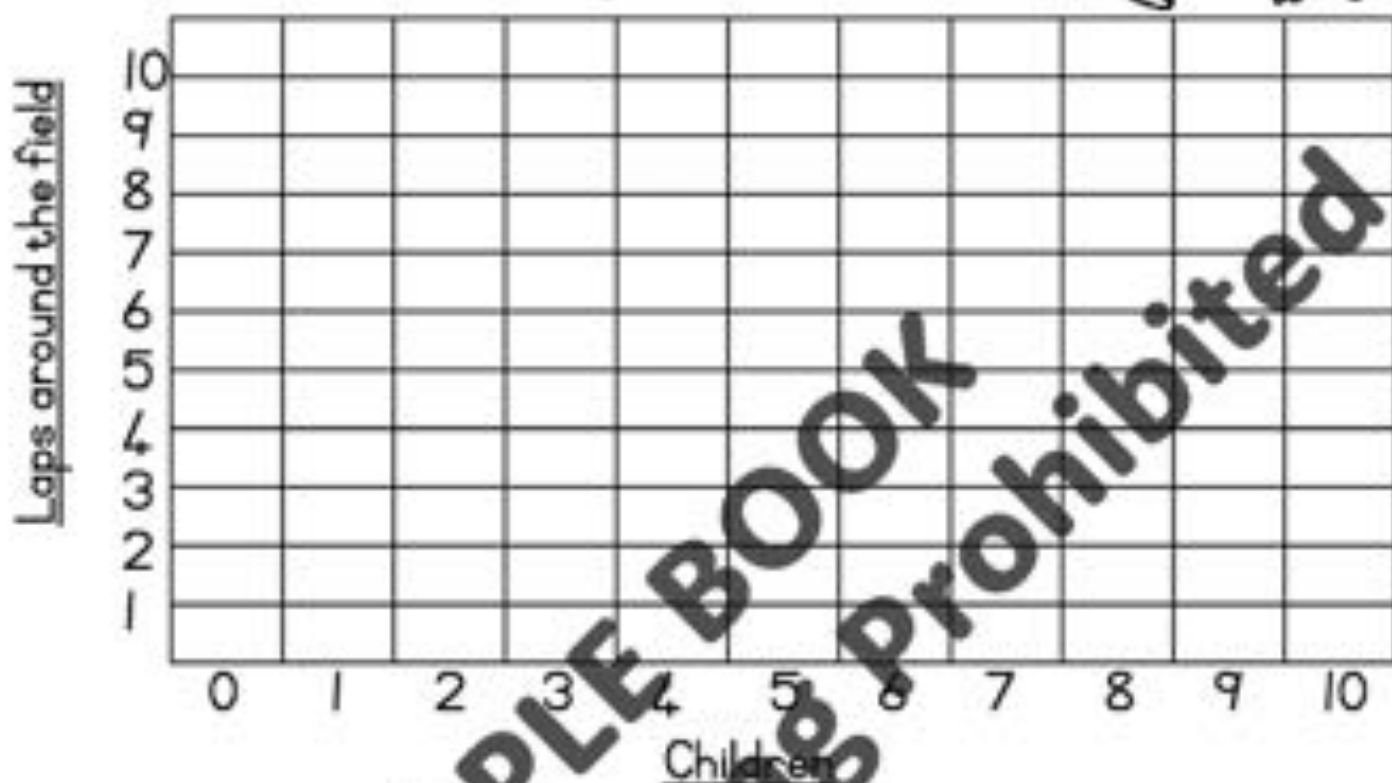
Laps around the field



	Tally	Number
10 times		1
nine times		
eight times		
seven times		
six times		
five times		1
four times		3
three times	+++	8
twice	+++	9
once	+++ +++	10

Bar graph

Fill in the data from the tally chart.

Laps around the field

1. How many children were able to run around the field ten times? _____
2. How many times do you think you could run around the field? _____
3. How many children ran the same number of laps as you think you could run? _____
4. Why do you think most of the children in the class could only run once around the field? _____
5. How could this information help the Sports Teacher?

Date: _____ Numbers

Fill in the missing letters and join the numbers to the correct names.

1000

six h__ndr__d

800

s__v__n hund__ed

600

eig__t h__ndred

700

n__e hu__nd

900

o__t_o__

h	s	e	n	u	e	e	i	d
a	r	r	n	n	d	a	d	h

Complete the table.

Number	50 more	100 less	double	half
250	300	150	500	125
500				
350				
200				
100				
700				
450				
300				
150				

Answer the following sums and then colour the coconuts that match your answers.

1. 4 more than 560

2. 2 less than 999

3. 5 less than 665

4. 3 more than 778

5. 6 less than 849

6. 9 more than 990

7. 25 less than 625

8. 10 more than 876

9. 20 less than 750

10. 25 more than 675



Which coconuts are not coloured in? Write their numbers on the line.

Arrange the numbers in the treasure chest in order from greatest to smallest.



Date: _____ Counting



Write the numbers on the lines.

Count in 10's from 520 to 600. Example:

520: 530: 540: 550: 560: 570: 580: 590: 600

Count backwards in 2's from 760 to 748.

Count backwards in 10's from 160 to 90.

Count in 50's from 800 to 1000.

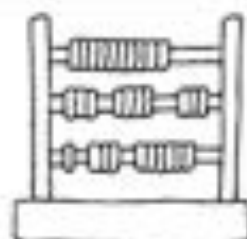
Count backwards in 100's from 920 to 120.

Count backwards in 1's from 886 to 878.

Count in 5's from 615 to 650.

Count in 25's from 750 to 1000.

What number comes next?



368; 369; _____

825; 850; 875; _____

920; 900; 880; _____

620; 640; 660; _____

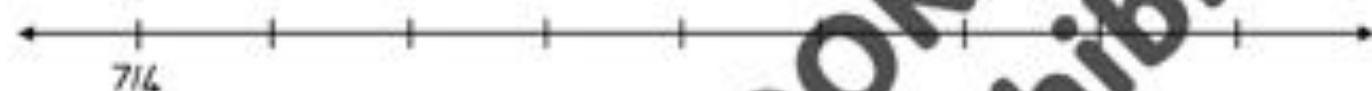
468; 470; 472; _____

Date: _____

Write the numbers from 602 to 610 on the numberline, counting in 2's.



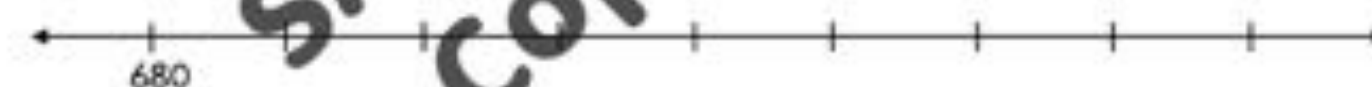
Write the numbers from 714 to 784 on the numberline, counting in 10's.



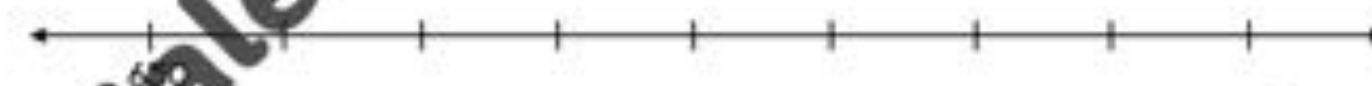
Write the numbers from 815 to 850 on the numberline, counting 5's.



Write the numbers from 680 to 800 on the numberline, counting in 20's.



Write the numbers from 650 to 1000 on the numberline, counting in 50's.



Write these number names:

Example: 864 eight hundred and sixty-seven

921 _____



753 _____

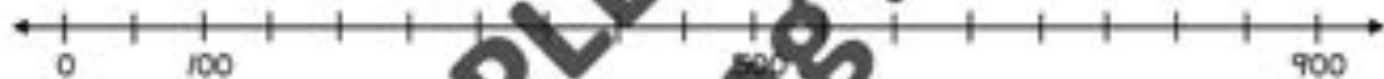
697 _____

Write these number symbols.Example: five hundred and thirty-four 534

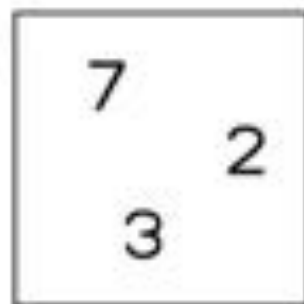
nine hundred and seventy-five _____

eight hundred and six _____

one thousand _____



1. Put a cross where 550 is on the number line.
2. Put a cross where 700 is on the number line.
3. Put a cross where 350 is on the number line.



Make the biggest number
you can with these 3 digits.

Make the smallest number
you can with these 3 digits.

Circle the correct answer.

Example: 680 is closer to 700 / 650

925 is closer to 1000 / 900

77 is closer to 90 / 60

810 is closer to 830 / 780

795 is closer to 790 / 805

20 is closer to 0 / 38

Choose the correct words and write them on the line:

more than or less than

269 is _____ 296

826 is _____ 816

599 is _____ 595

Date: _____ Place value

Break down these numbers into hundreds, tens and units.

369

3	0	0
	6	0
		9

807

650

999	741	582
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How many bundles of 10's in these numbers?

Number	Bundles of 10
10	1
51	
15	
90	
6	
78	

Date: _____ Place value

Decompose (break down) these numbers to show the value of each digit.

Example: $468 = 400 + 60 + 8$



630 = _____

571 = _____

804 = _____

727 = _____

999 = _____

How many hundreds in these numbers?

Number	Number of hundreds
900	
760	
809	
600	
515	
94	

Write these numbers:

$$8 \text{ hundreds} + 0 \text{ tens} + 3 \text{ units} = \underline{\hspace{2cm}}$$

$$9 \text{ hundreds} + 6 \text{ tens} + 4 \text{ units} = \underline{\hspace{2cm}}$$

$$2 \text{ hundreds} + 2 \text{ tens} + 0 \text{ units} = \underline{\hspace{2cm}}$$

$$7 \text{ hundreds} + 5 \text{ tens} + 3 \text{ units} = \underline{\hspace{2cm}}$$

$$6 \text{ hundreds} + 0 \text{ tens} + 9 \text{ units} = \underline{\hspace{2cm}}$$

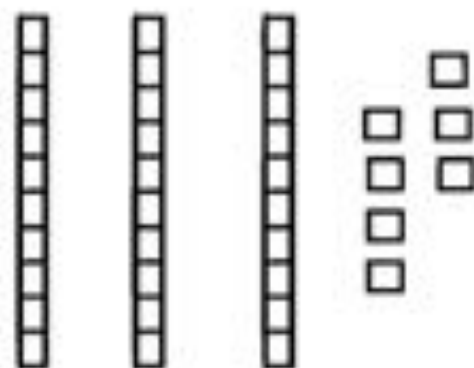
Fill in the missing numbers:

$$865 = \underline{\hspace{2cm}} + 60 + 5$$

$$646 = 600 + \underline{\hspace{2cm}} + 6$$

$$921 = 900 + 20 + \underline{\hspace{2cm}}$$

$$750 = \underline{\hspace{2cm}} + 50$$



Date: _____ Solving Problems in context
Addition and Subtraction

1. The teacher packs 276 library books on the shelves. She still has 90 more to pack. How many books will she pack altogether?



2. There are 600 new books in the library. Three hundred and fifty are given away to another school. How many books are left?

3. Two hundred and twenty new children come to school. Now there are 975 children in the school. How many were there before?



4. There were 999 maths blocks in the classroom. After the children worked with them there were only 870. How many blocks were lost?

5. The school has 560 balls. Three hundred and ten are tennis balls, the rest are cricket balls. How many cricket balls are there?

6. The Grade 1's collected R629 for a charity and the Grade 2's collected R890. How much more money did the Grade 2's collect?

Date: _____

Repeated addition leading to Multiplication

1. How many legs do 32 dogs have? _____

2. How many toes do 9 babies have? _____

3. How many eyes do 50 people have? _____

4. How many hands do 200 children have?



5. How many wheels do 12 tricycles have?



6. If Zara saves R5 every week, how much money will she have saved after 8 weeks?



7. Grandpa plants 20 rows of mealies with 12 plants in each row. How many plants altogether?

8. Tia sells muffins at R6 each. Complete the table to help her prepare.



Number of muffins	1	2	3	4	5	10	20	40	50
Cost in rands	R6								

9. Clare charges R5 an hour to babysit. Complete the table to show her what she can earn.

Number of hours	1	2	3	4	5	10	20	40	50
Cost in rands	R5								

Date: _____

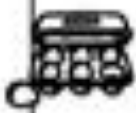
Grouping and Sharing leading to Division

Write the number sentences and work out the answers.

1. Mom bakes 80 cupcakes for the cake sale. She has to put them in boxes which hold 12 cupcakes. How many boxes can she fill?



2. If a farmer has 198 eggs, how many egg boxes does he need to pack all the eggs, if each box takes 6 eggs?



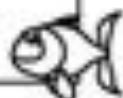
3. If 5 friends share 127 bottle tops so they all get the same number, how many bottle tops does each one get?

4. The farmer has 150 avocados. If he puts 2 avocados in each punnet, how many punnets will he need?



5. Tony makes pots. He makes 4 pots each day. How many days will it take him to make 160 pots?

6. Five fishermen have caught 200 fish. They all caught the same number of fish. How many did each one catch?



Date: _____ Sharing leading to fractions

1. Share 17 chocolate slabs amongst 3 friends so that they all get the same quantity and there is nothing left over. How many will each friend get?

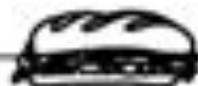
2. At the party there were 12 pizzas to share amongst 8 friends. How much will each person get?

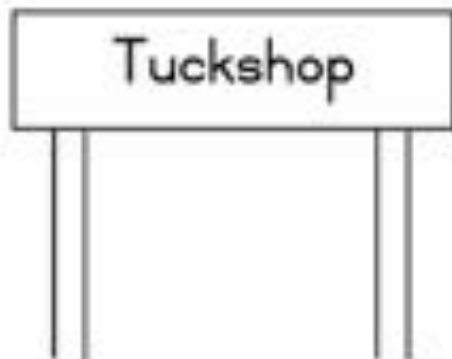
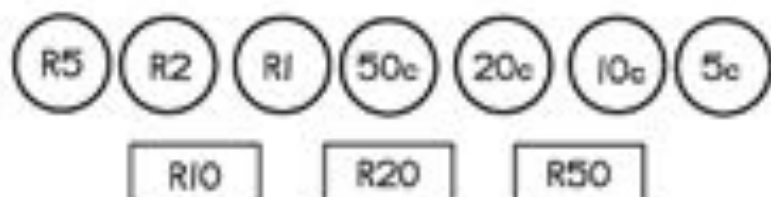


3. If I put $\frac{1}{3}$ of 27 books equally into 3 boxes, how many books will there be in each box?



4. Mom gives each girl at the party half a sandwich. If there are 18 girls, how many sandwiches does Mom need?





Price list:			
60c each	R9.50	R6.70	R1.50
R2.30	R7.50	R4.00	

1. Which item is the cheapest?

2. Which item is the most expensive?

3. If 2 apples cost R1.50 what would 1 apple cost?

4. You have R30 to spend. Choose 5 things you would like to buy from the tuckshop. Add them up and see if you have any change.

	I bought...	It cost...
1.		
2.		
3.		
4.		
5.		

Total amount: _____

R30 - _____ = _____



5. The sweets cost 60c each. Jared has three 50c pieces, five 20c pieces and a R1 coin. How many sweets can he buy?

6. How much will it cost to buy chips, yoghurt and a muffin?

Date: _____ Addition (Revision)

Example: $624 + 34 =$

$600 + 000 =$	<u>600</u>
$20 + 30 =$	<u>50</u>
$4 + 4 =$	<u>8</u>
$=$	<u>658</u>

1. $561 + 28 =$ _____

2. $329 + 42 =$ _____

3. $284 + 65 =$ _____

4. $173 + 36 =$ _____

5. $445 + 418 =$ _____

Date: _____ Addition (Revision)



1. $627 + 138 =$ _____

2. $541 + 280 =$ _____

3. $193 + 723 =$ _____

4. $444 + 306 =$ _____

5. $791 + 251 =$ _____



Date: _____

Find the sum of:

$40 + 70 = \underline{\hspace{2cm}}$

$70 + 80 = \underline{\hspace{2cm}}$

$65 + 10 = \underline{\hspace{2cm}}$

$124 + 10 = \underline{\hspace{2cm}}$

$634 + 5 = \underline{\hspace{2cm}}$

$700 + 4 = \underline{\hspace{2cm}}$

$100 + 200 = \underline{\hspace{2cm}}$

$300 + 400 = \underline{\hspace{2cm}}$

What do I need to add to: 74 to make 96?

Write out the number sentences

Example: $74 + \underline{\hspace{1cm}} = 96$

53 to make 78?

16 to make 85?



Write out these number sentences and their answers.

Add: 12 to 176 _____

16 to 749 _____

29 to 432 _____

11 to 893 _____

Write the number sentences and work out the answers.

51 plus 86 _____

$710 \text{ plus } 169 =$

$16 \text{ plus } 44 =$

$803 \text{ plus } 96 =$

Write out the number sentences and work out the answers.

What is 20 more than 165?

What is 160 more than 728?

What is 250 more than 382?

Date: _____

Complete the following:



$165 + 10 =$

$417 + 40 =$

$165 + 20 =$

$238 + 10 =$

$165 + 30 =$

$238 + 20 =$

$417 + 10 =$

$238 + 30 =$

$417 + 20 =$

$238 + 40 =$

$417 + 30 =$

$238 + 50 =$

$1 + 1 = \underline{\hspace{2cm}}$

$10 + 10 = \underline{\hspace{2cm}}$

$100 + 100 = \underline{\hspace{2cm}}$

$2 + 2 = \underline{\hspace{2cm}}$

$20 + 20 = \underline{\hspace{2cm}}$

$200 + 200 = \underline{\hspace{2cm}}$

$5 + 5 = \underline{\hspace{2cm}}$

$50 + 50 = \underline{\hspace{2cm}}$

$500 + 500 = \underline{\hspace{2cm}}$

$3 + 3 = \underline{\hspace{2cm}}$

$30 + 30 = \underline{\hspace{2cm}}$

$300 + 300 = \underline{\hspace{2cm}}$

$4 + 4 = \underline{\hspace{2cm}}$

$40 + 40 = \underline{\hspace{2cm}}$

$400 + 400 = \underline{\hspace{2cm}}$

$5 + 5 = \underline{\hspace{2cm}}$

$50 + 50 = \underline{\hspace{2cm}}$

$500 + 500 = \underline{\hspace{2cm}}$



$14 \text{ tens plus } 8 \text{ units (ones)} = \underline{\hspace{2cm}}$

$6 \text{ tens plus } 9 \text{ units (ones)} = \underline{\hspace{2cm}}$

$19 \text{ tens plus } 5 \text{ units (ones)} = \underline{\hspace{2cm}}$

$5 \text{ tens plus } 7 \text{ units (ones)} = \underline{\hspace{2cm}}$

$11 \text{ tens plus } 2 \text{ units (ones)} = \underline{\hspace{2cm}}$

Example: $989 - 631 =$

$$900 - 600 = \underline{\quad 300 \quad}$$

$$80 - 30 = \underline{\quad 50 \quad}$$

$$9 - 1 = \underline{\quad 8 \quad}$$

$$= 358$$



$$876 - 212$$

$$999 - 576$$

$$589 - 179$$

795 - 353

642 - 411

826 - 433

525 - 422

Date: _____ Subtraction continued

Write out the number sentences and fill in the answers.

316 take away 16

965 take away 90

471 take away 362

830 take away 29



154 subtract 18

999 subtract 899

720 subtract 563

276 subtract 87

What is the difference between:

70 and 50 _____

90 and 80 _____

99 and 98 _____

36 and 39 _____

325 and 25 _____

616 and 6 _____

400 and 300 _____

900 and 600 _____

Write the number sentences and work out the answers.

What number must you subtract from:

Example: 86 to get 16. $86 - 70 = 16$



542 to get 310

785 to get 700

93 to get 10

Write down pairs of numbers with a difference of 10.

1. eg. 39 - 29

4. _____

2. _____

5. _____

3. _____

6. _____

Write down pairs of numbers with a difference of 20.

1. eg. 64 - 44

4. _____

2. _____

5. _____

3. _____

6. _____

Fill in the missing numbers.

$657 - 310 = \underline{\quad}$

$900 - 123 = \underline{\quad}$

$781 - \underline{\quad} = 613$

$699 - \underline{\quad} = 12$

$\underline{\quad} - 18 = 432$

$\underline{\quad} - 36 = 172$

$120 - 10 = 160 - \underline{\quad}$

$360 - 40 = 400 - \underline{\quad}$



Date: _____ Mixed sums

Write number sentences using the information below.

Example: If $145 + 125 = 270$
 then $125 + 145 = 270$
 and $270 - 125 = 145$
 and $270 - 145 = 125$

If $160 + 712 = 872$

then _____

and _____

and _____

If $403 + 541 = 944$

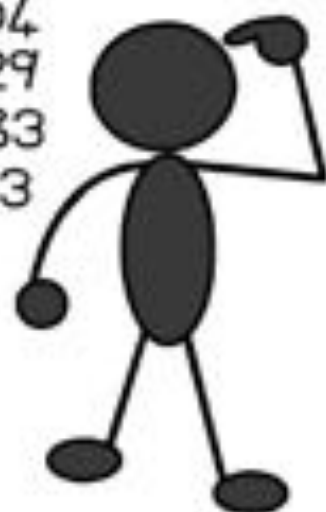
then _____

and _____

and _____

Write number sentences using the information below.

Example: If $283 - 229 = 54$
 then $283 - 54 = 229$
 and $54 + 229 = 283$
 and $229 + 54 = 283$

If $668 - 620 = 48$

then _____

and _____

and _____

If $950 - 714 = 236$

then _____

and _____

and _____

Fill in the missing numbers.

$76 - 37 = \underline{\hspace{2cm}}$

$37 + \underline{\hspace{2cm}} = 76$

$138 - 18 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 138$

$300 - 200 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} + 200 = 300$

Write 4 number sentences using these numbers:

250

60

190

1. $\underline{\hspace{10cm}}$

2. $\underline{\hspace{10cm}}$

3. $\underline{\hspace{10cm}}$

4. $\underline{\hspace{10cm}}$

Date: $\underline{\hspace{4cm}}$

Repeated addition leading to Multiplication
(Revision)

Write number sentences using the multiplication (x) sign from the information below.

Example: 2 fives $\underline{2 \times 5 = 10}$

4 groups of 5 $\underline{\hspace{4cm}}$

2 times 4 $\underline{\hspace{4cm}}$

2 threes $\underline{\hspace{4cm}}$

5 multiplied by 10 $\underline{\hspace{4cm}}$

$7 + 7 + 7$

3 lots of 2

3 counters in a row.
There are 4 rows.



Complete the following:

If $3 \times 6 = 18$ then $6 \times 3 = 18$

If $9 \times 3 = 27$ then _____

If $4 \times 5 = 20$ then _____

If $10 \times 2 = 20$ then _____

If $7 \times 4 = 28$ then _____

If $8 \times 5 = 40$ then _____

Complete these:

Example $2 + 2 + 2 = 6$

$2 \times 3 = 6$

$5 + 5 = 10$

$5 \times \underline{\quad} = 10$

$4 + 4 + 4 + 4 = 16$

$4 \times \underline{\quad} = 16$

$3 + 3 + 3 + 3 = 12$

$3 \times \underline{\quad} = 12$

$10 + 10 + 10 + 10 + 10 + 10 = 60$

$10 \times \underline{\quad} = 60$

Fill in the answers and missing numbers

$8 + 8 + 8 = \underline{\hspace{2cm}}$

$8 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$5 + 5 + 5 + 5 = \underline{\hspace{2cm}}$

$5 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$2 + 2 + 2 + 2 + 2 = \underline{\hspace{2cm}}$

$2 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$3 + 3 = \underline{\hspace{2cm}}$

$3 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$10 + 10 + 10 = \underline{\hspace{2cm}}$

$10 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



Date: _____ Multiplication continued

Fill in the missing numbers.

X	1	2	3	4	5	6	7	8	9	10
2	2									
4	4									



Half	Number	Double
	2	
	12	
	20	
	14	
	6	
	8	
	10	
	18	
	4	
	16	

Do these division sums.

Example: $39 \div 3 = \underline{\quad}$

$$\begin{array}{r} 13 \\ 3 \overline{) 39} \end{array}$$

$48 \div 12 = \underline{\hspace{2cm}}$

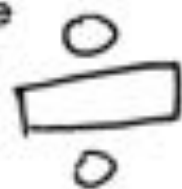
$60 \div 5 =$ _____

$72 \div 6 =$ _____

Make number sentences using the \div sign from the information below.

Example: Share 16 by 2

$16 \div 2 = 8$



Divide 20 by 5

How many 5's make 50?

How many 10c make 50c?

How many 4's in 20?

How many 4's in 28?

How many 4's in 36?

How many 5's in 20?

How many 5's in 40?

How many 5's in 50?

How many 5's in 60? _____

Share 2/ equally between 3. _____

Fill in the missing numbers:

$$6 \text{ tens} \div 3 = \square \text{ tens}$$

$$5 \text{ tens} \div 5 = \square \text{ tens}$$

$$6 \div 1 = \underline{\hspace{2cm}}$$

$$8 \div 1 = \underline{\hspace{2cm}}$$

$$12 \div \underline{\hspace{2cm}} = 12$$

$$10 \div \underline{\hspace{2cm}} = 10$$

$$6 \div 0 = \underline{\hspace{2cm}}$$

$$9 \div 0 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \div 4 = 0$$

$$\underline{\hspace{2cm}} \div 2 = \underline{\hspace{2cm}}$$

$$7 \div 7 = \underline{\hspace{2cm}}$$

$$3 \div 3 = \underline{\hspace{2cm}}$$

$$0 \div 5 = \underline{\hspace{2cm}}$$

$$0 \div 6 = \underline{\hspace{2cm}}$$

Now try these:

Example: $12 \div 5 = 2 \text{ remainder } 2$

$$23 \div 7 = \underline{\hspace{2cm}} \text{ remainder } \underline{\hspace{2cm}}$$

$$28 \div 5 = \underline{\hspace{2cm}} \text{ remainder } \underline{\hspace{2cm}}$$

$$31 \div 10 = \underline{\hspace{2cm}} \text{ remainder } \underline{\hspace{2cm}}$$

$$35 \div 3 = \underline{\hspace{2cm}} \text{ remainder } \underline{\hspace{2cm}}$$

$$43 \div 3 = \underline{\hspace{2cm}} \text{ remainder } \underline{\hspace{2cm}}$$



Draw pictures to describe these number sentences.

$16 \div 4 = \underline{\hspace{2cm}}$

$22 \div 2 = \underline{\hspace{2cm}}$

$27 \div 3 = \underline{\hspace{2cm}}$

Date: _____ Fractions

Circle the correct answer. Are these shapes cut in equal halves?



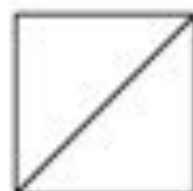
Yes / No



Yes / No



Yes / No



Yes / No

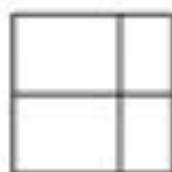


Yes / No

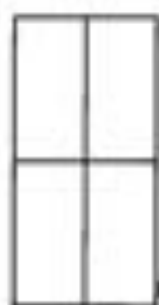
Is each quarter the same size?



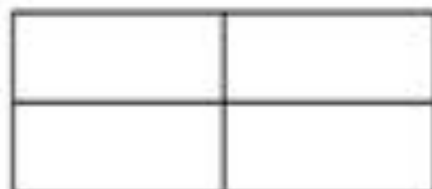
Yes / No



Yes / No

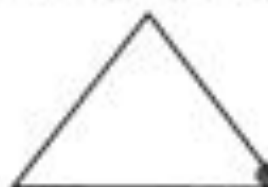


Yes / No



Yes / No

Colour one half of this triangle.



$\frac{1}{2}$

Colour one quarter of this circle.



$\frac{1}{4}$

Colour one third of this square.

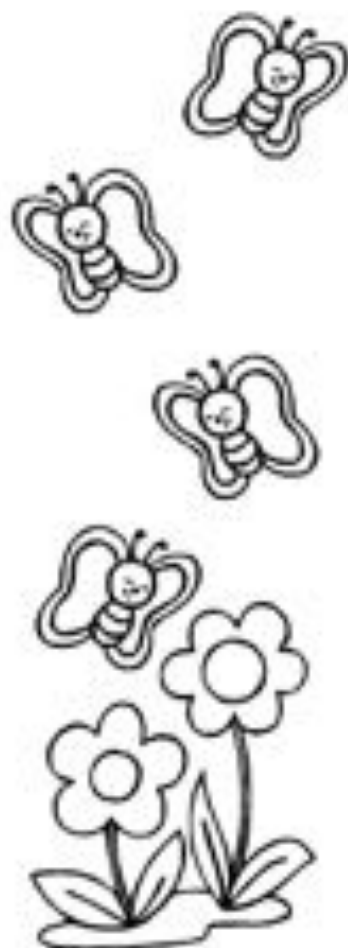


$\frac{1}{3}$

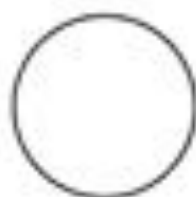
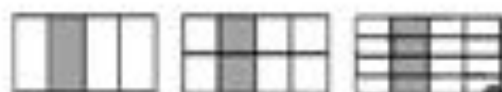
Colour one fifth of this rectangle.



$\frac{1}{5}$



Colour one eighth of this circle.


 $\frac{1}{8}$


Colour one sixth of this rectangle.


 $\frac{1}{6}$

$$\frac{1}{4} = \frac{2}{8} = \frac{4}{16}$$

Date: _____ Fractions continued

Fill in the missing numerals.

- ☐ halves = one whole
- ☐ quarters = one whole
- ☐ thirds = one whole
- ☐ fifths = one whole
- ☐ sixths = one whole
- ☐ eighths = one whole



Use the words in the flowers to complete the sentences.

When a shape is divided into:

2 equal parts, we call these parts _____

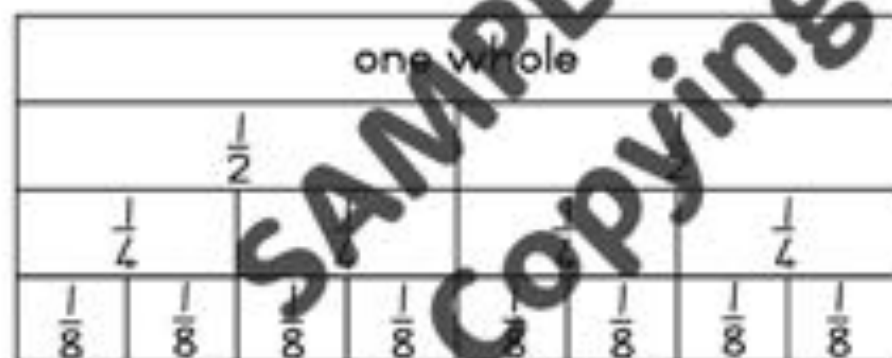
3 equal parts, we call these parts _____

4 equal parts, we call these parts _____

5 equal parts, we call these parts _____

6 equal parts, we call these parts _____

8 equal parts, we call these parts _____



halves

quarters

eighths

Underline the correct words. Use the fraction wall to help you.

Is one half bigger than / smaller than 3 quarters?

Are 4 quarters the same as / smaller than 1 whole?

Are 2 eighths smaller than / bigger than 1 whole?

Are 2 quarters equal to 1 half? Yes / No

Are 3 eighths bigger than 1 quarter? Yes / No



Colour 6 beads pink and 6 beads yellow.

What fraction of the beads are yellow? _____



Colour 3 beads red and 1 bead green.

What fraction of the beads are red? _____



Colour 1 bead blue and 2 beads orange.

What fraction of the beads are blue? _____



Colour 3 beads brown and 2 beads yellow.

What fraction of the beads are yellow? _____



Colour 4 beads purple and 2 beads yellow.

What fraction of the beads are yellow? _____



Colour 7 beads black.

What fraction of the beads are black? _____

Date: _____ Patterns, Functions and Algebra



1. Choose 2 patterns (or part of a pattern) from the pictures above and repeat them in these blocks.

- Choose 2 of the pictures and draw a line of symmetry through them (to make a mirror image).
- Draw your own pattern on this carpet using straight lines.



- Draw your own pattern on this skirt using curved lines.



Date: _____ Number Patterns

Extend these sequences:

1; 1; 3; 3; 5; 5; _____; _____; _____; _____; _____; _____

700; 705; 710; _____; _____; _____; _____; _____

1000; 900; 800; _____; _____; _____; _____; _____

896; 897; 898; _____; _____; _____; _____; _____

990 ; 980 ; 970 ; _____ ; _____ ; _____ ; _____ ; _____

260 ; 280 ; 300 ; _____ ; _____ ; _____ ; _____ ; _____

950 ; 900 ; 850 ; _____ ; _____ ; _____ ; _____ ; _____

625 ; 650 ; 675 ; _____ ; _____ ; _____ ; _____ ; _____

Date: _____ Space and Shape



Colour the spheres green.

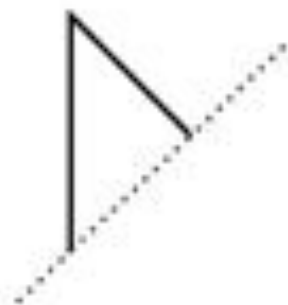
Colour the cylinder blue.

Colour the cones purple.

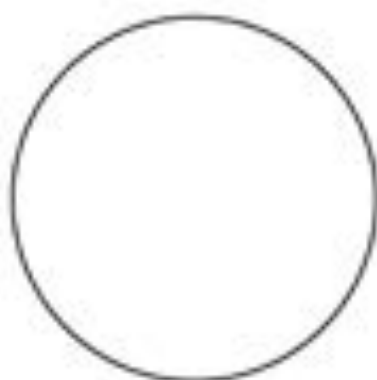
Colour the prisms red.

Colour the pyramid orange.

Complete the drawings so that each half is identical.



Draw $\frac{1}{2}$ lines of symmetry through the shape below.



Date: _____ Measurement (time)

Write the times on the lines below. Write the digital time in the blocks.



14:45

Billy comes home at
quarter to three
in the afternoon.



Sarah wakes up at
in the morning.



Abigail goes to sleep
at _____
_____ at night.



Sipho goes to swimming
at _____
_____ in the afternoon.



Nelo has dinner at
_____ in the evening.



Jordan can play
until _____
_____ in the afternoon.



It is dark at 10 o'clock at night.



Jill wakes up at half past four in the morning.



We eat lunch at quarter past in the afternoon.



Sharon baths at 6 o'clock in the evening.



Mom has tea at quarter past in the morning.



The sun is at its highest at 12 o'clock.

Digital time

10:15



6:45



1:00



8:15



5:45



7:30



Write the correct numbers in the correct blocks.

1. Sally wakes up 15 minutes before 6.
2. Jared wakes up 1 hour later.
3. Sam leaves for school half an hour before it starts at 8.
4. Assembly begins at quarter past 8.
5. The children have break 2 hours later.
6. The taxi arrives to fetch the children 5 hours after school started.

Date: _____ Time continued

3 weeks = days

30 days = months

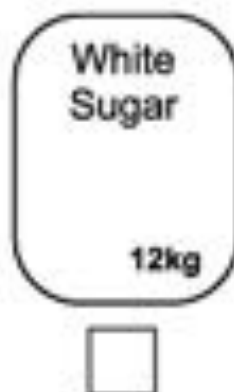
2 months = weeks

If Neo is allowed to play at Tumi's house from 2:30 pm to 5 pm, how long is he allowed to play? _____

Granny leaves for the shops at a quarter to 7 and returns home at a quarter past 6. How long was she away for?

If Jess goes to sleep at 8 o'clock and sleeps for 2 and a half hours, how long does she sleep for? _____

Date: _____ Mass



Put these groceries in order from heaviest to lightest using the numbers 1 to 5 with number 1 being the heaviest.

800g



410g



560g



340g



175g



Put these groceries in order from lightest to heaviest using the numbers 1 to 5 with number 1 being the lightest.

Use a bathroom scale and record:

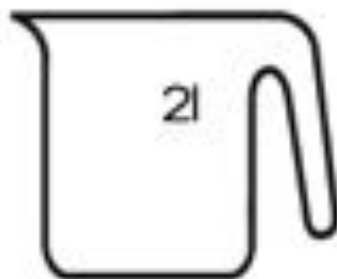
Your mass: _____ kg A friend's mass: _____ kg

A dustbin's mass: _____ kg A schoolbag's mass: _____ kg

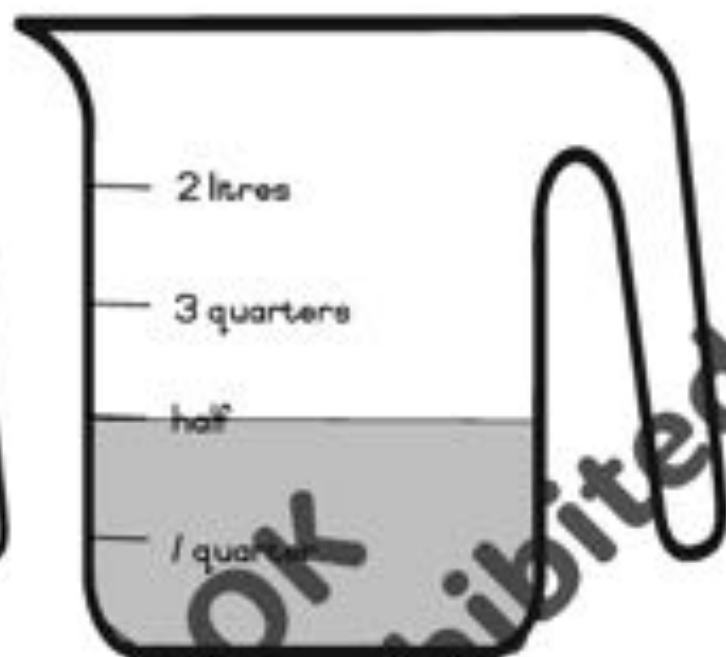


What is the combined mass of you and your friend? _____

Date: _____ Volume



How many times must Mary fill the 1 litre jug if she wants to use it to fill up the 5 litre bucket? _____



How much water is in this jug? _____

How much water is in this jug? _____

Which jug has the most water? _____

Can you answer these questions?



400 ml



1 l



500ml



How many C's can fit into an A? _____

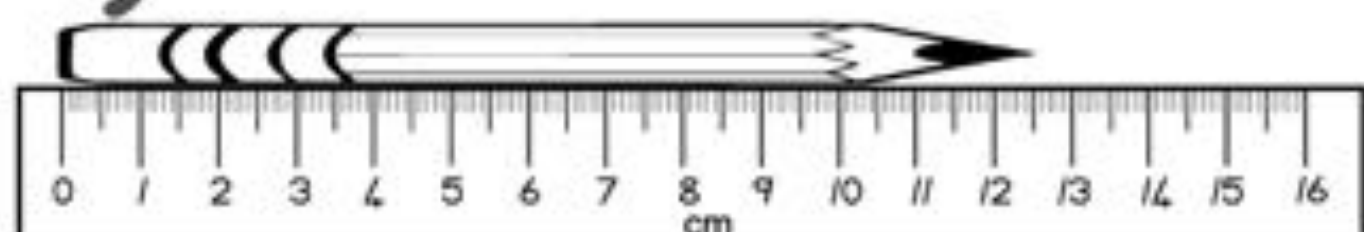
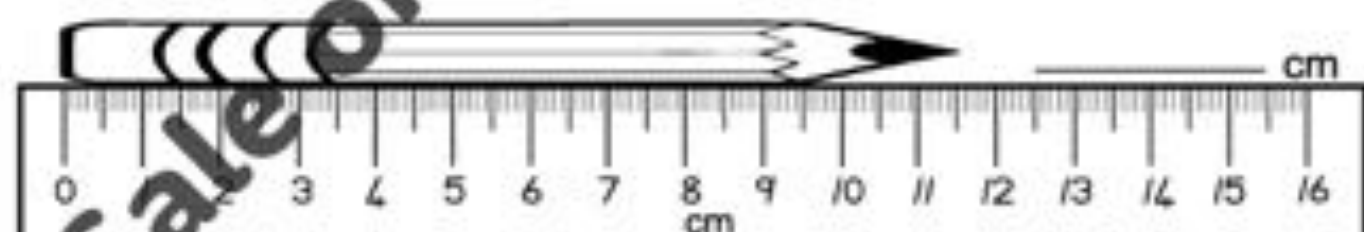
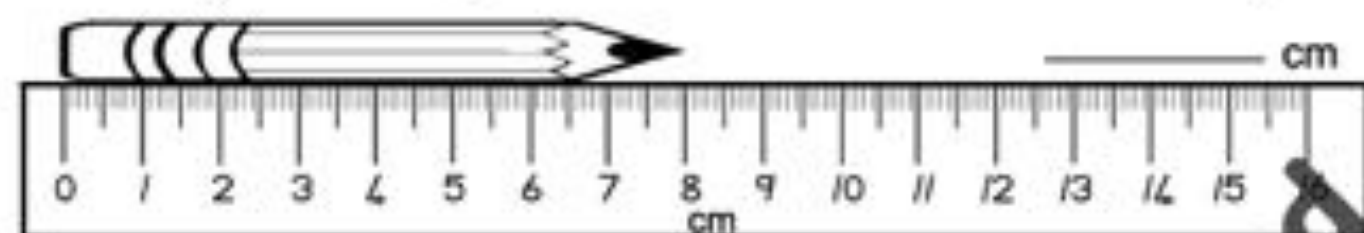
How many D's can fit into an A? _____

How many B's can fit into an A? _____

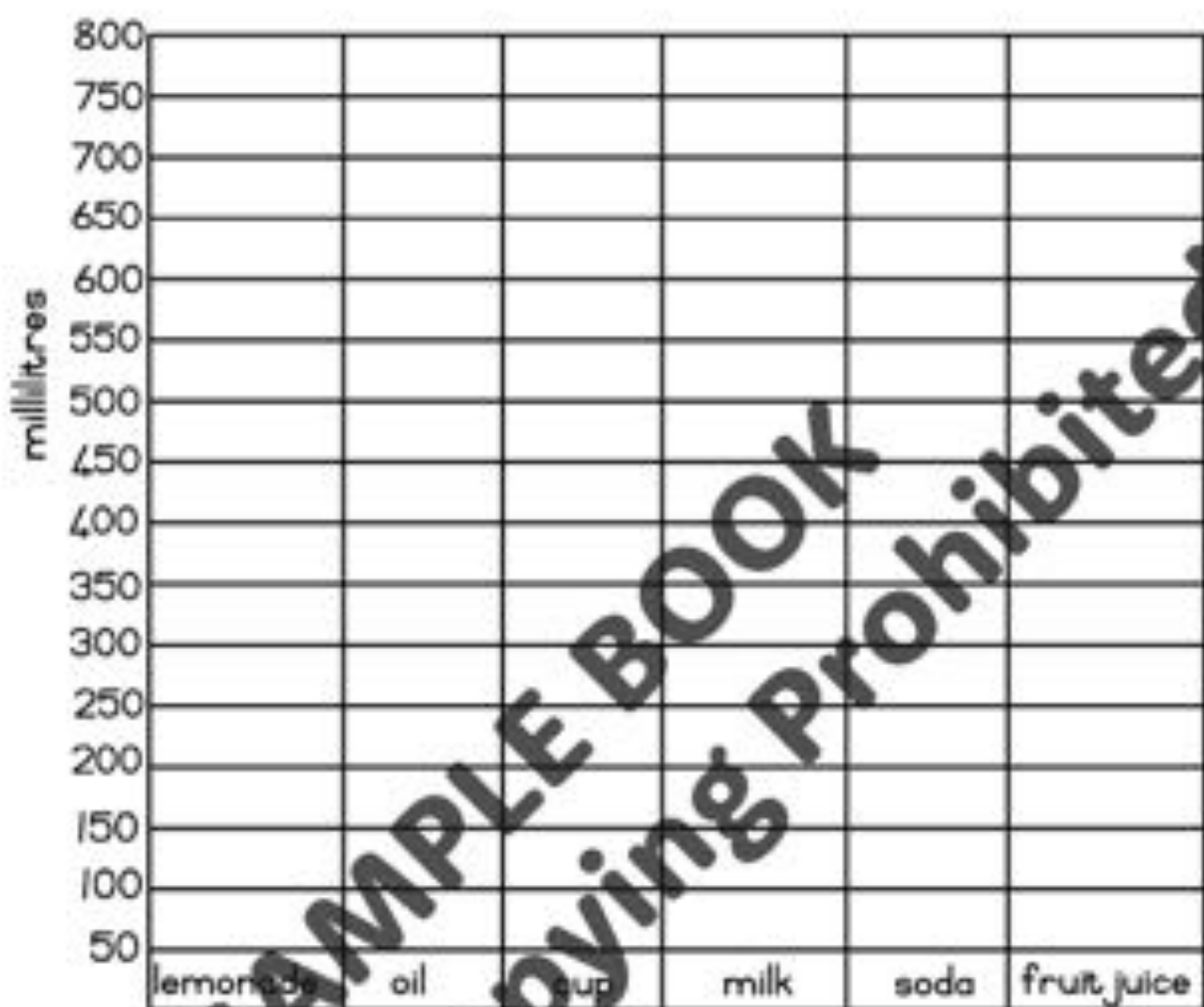
How many D's can fit into a C? _____

Date: _____ Length

How long are these pencils in centimetres? (include the point)



Date: _____ Bar Graph - Capacity



Colour the bar graph using a different colour for each product. Use this information:

Milk = 500ml

Oil = 750ml

Cup = 250ml

Soda = 350ml

Lemonade = 300ml

Fruit juice = 250ml

Complete the table

School Day	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
Sodas sold	11	22								

The tuckshop sells 11 sodas every day. How many would they sell in 2 school weeks? _____

Date: _____



Make your own dot to dot picture counting in 2's. Draw the picture lightly in pencil. Then make dots around the picture and give each dot a number starting from 2, then 4 then 6, etc. Rub out the pencil and let your friend join the dots.

My friend's name is: _____

My dot to dot picture

A large rectangular box for drawing a dot-to-dot picture. The box is mostly empty, with a large diagonal watermark reading "SAMPLE BOOK" and "Sale or Copying Prohibited" overlaid across it.