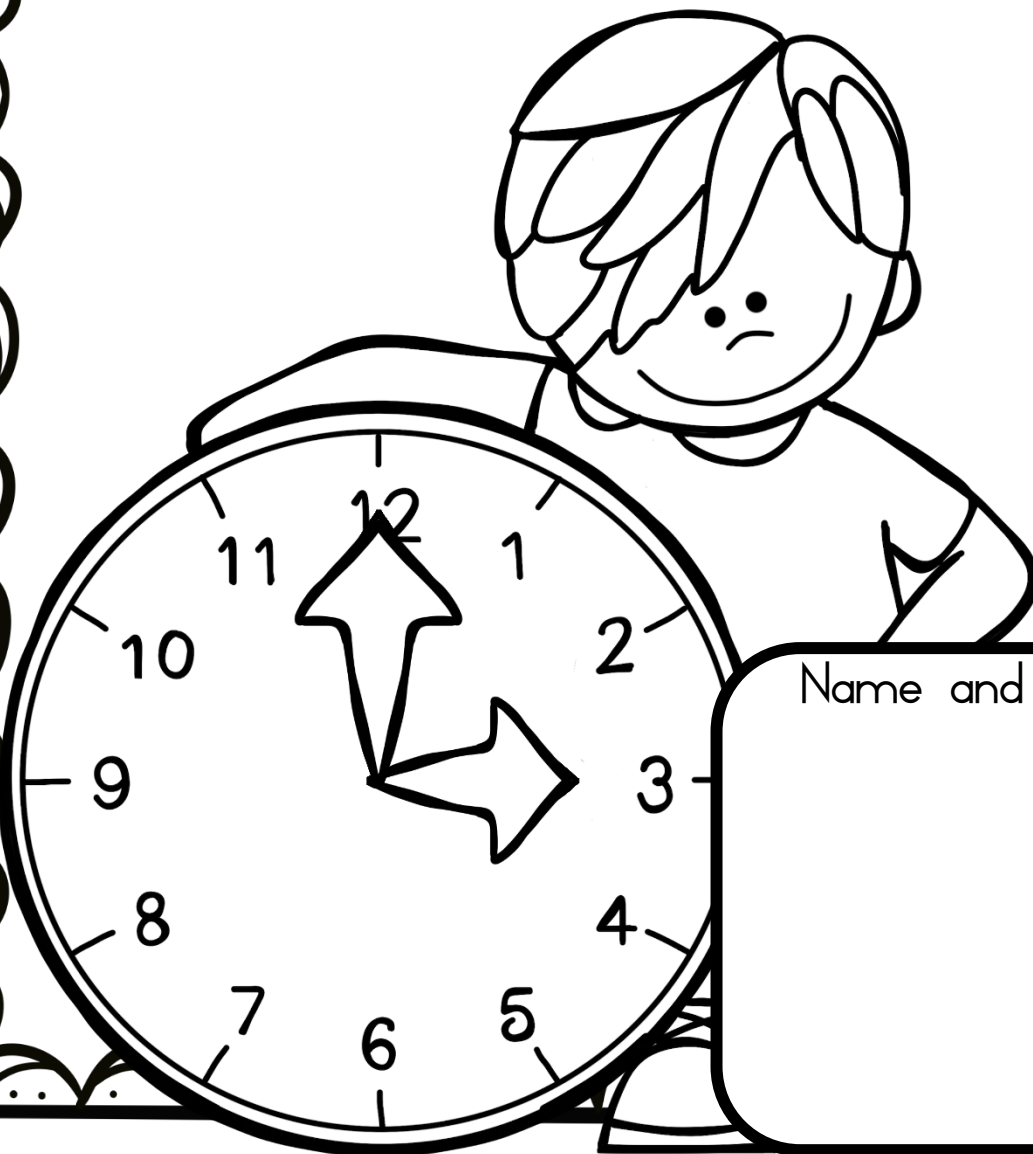


Grade 3 Mathematics

Term 4

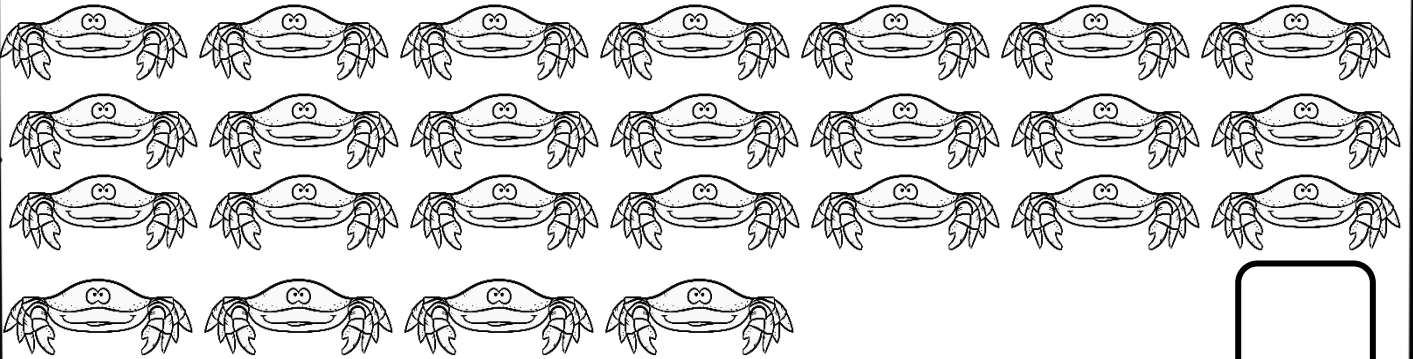


Name and Surname

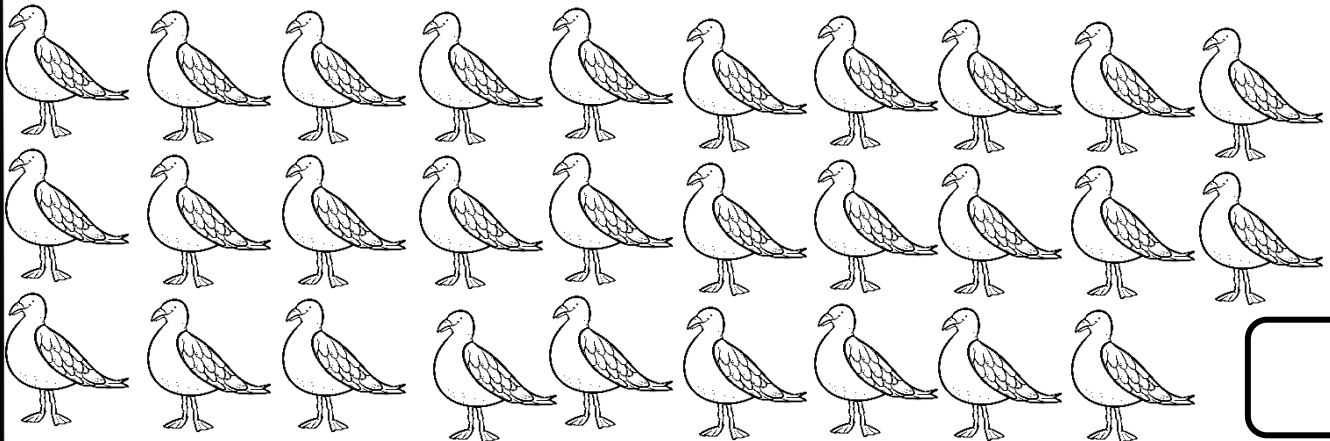
Count objects

Mia and her sister are sitting on the beach, counting sea animals. Help them to count correct.

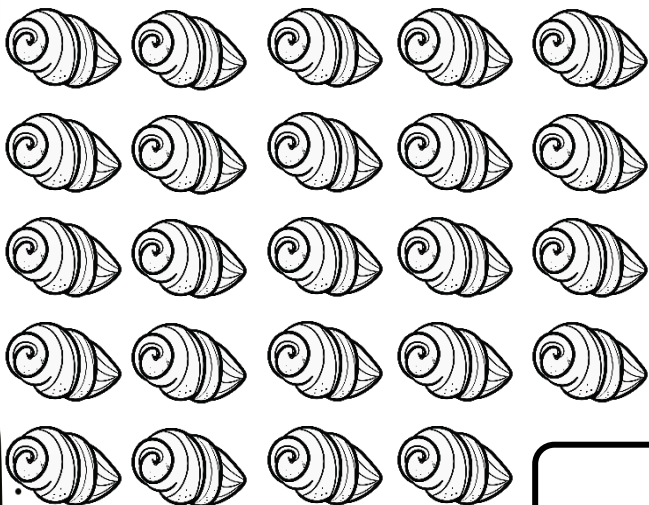
a. How many crabs do you see?



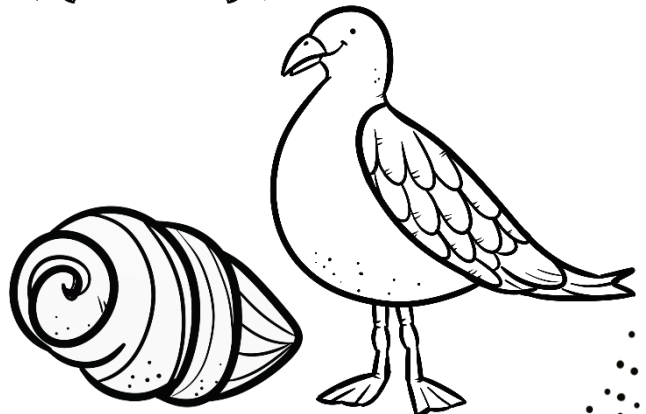
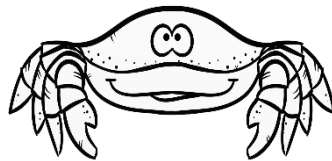
b. How many seagulls are there altogether?



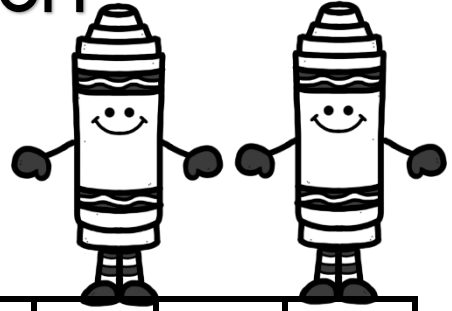
c. How many shells are here?



d. Colour the one that has the most



Count back and forth



Count on or back to complete:

a. Count back in 2's.

564	562	___	___	___	___	552	___	___
-----	-----	-----	-----	-----	-----	-----	-----	-----

b. Count back in 4's.

788	784	780	___	___	___	764	___	___
-----	-----	-----	-----	-----	-----	-----	-----	-----

c. Count back in 10's.

500	490	480	___	___	___	440	___	___
___	400	___	___	___	360	___	___	___

d. Fill in the missing numbers.

600	___	700	___	800	___	___	___	1000
-----	-----	-----	-----	-----	-----	-----	-----	------

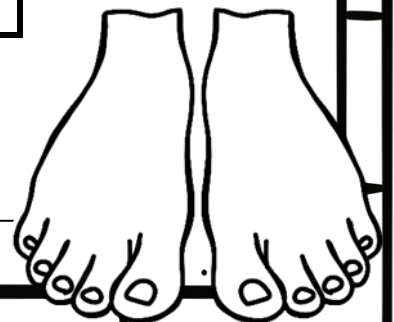
e. Count on in 25's.

725	750	775	___	___	___	___	___	___
-----	-----	-----	-----	-----	-----	-----	-----	-----

f. Complete the table.

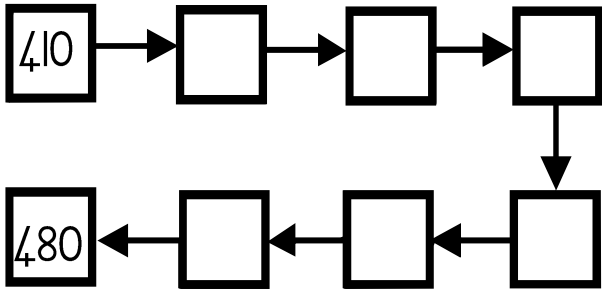
girls	1	3	5	7	9	11
toes						

- 10 girls have ___ toes?
- Write a number sentence to show your answer.

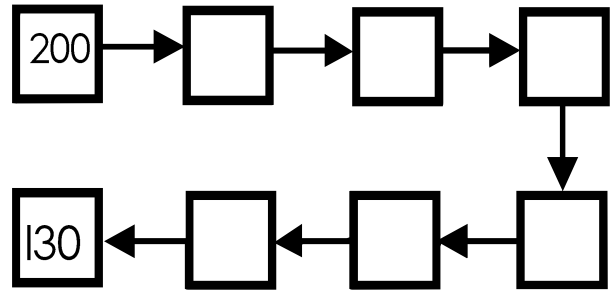


Count onwards and backwards

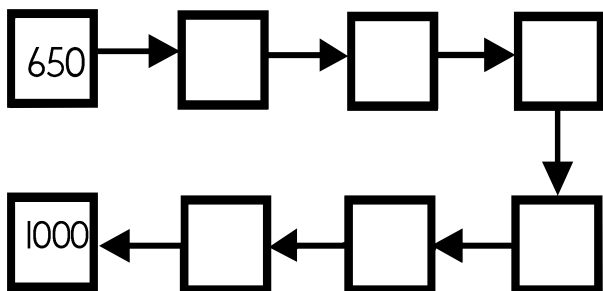
Count in tens from 410 to 480.



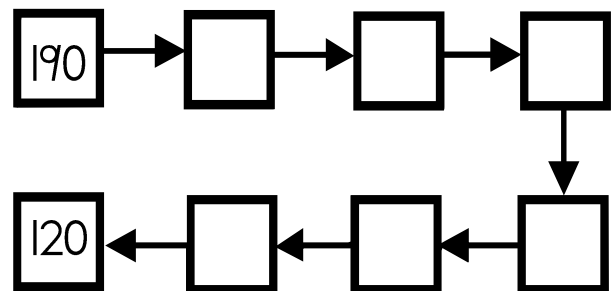
Count back in tens from 200 to 130.



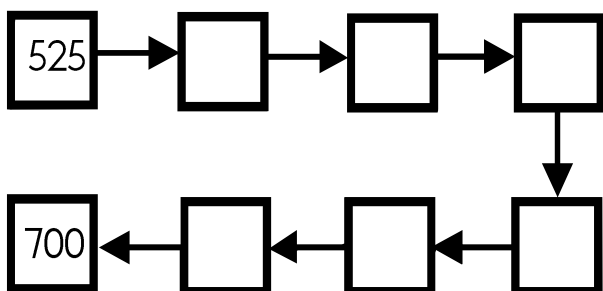
Count back in 50's from 650 to 1000.



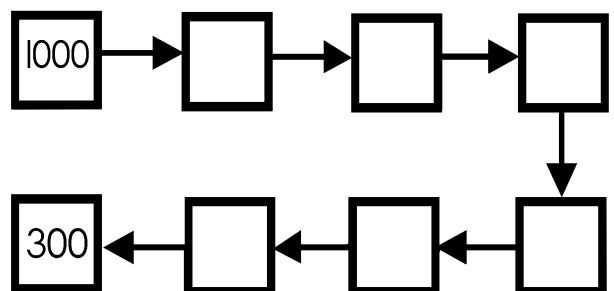
Count back in tens from 190 to 120.



Count in 25's from 525 to 700



Count back in 100's from 1000 to 300



Number names & Number symbols



Two hundred and thirty five



235

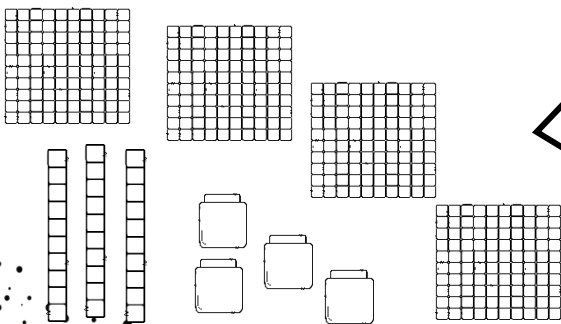
a. Write the number symbol for the following:

1. Three hundred and forty two → _____
2. Thousand → _____
3. Eight hundred and twenty one → _____
4. Forty three → _____
5. Four hundred and sixty nine → _____

b. Write the number names for the number symbols.

1. 319 _____
2. 441 _____
3. 489 _____
4. 746 _____
5. 809 _____
6. 1000 _____
7. 999 _____

c. Write the number name and number symbol for the following:



Number names and Number symbols

Colour the correct number symbol for the number name.

eighty seven		
87	78	77

ninety six		
69	96	61

thirty one		
33	13	31

six hundred and seventeen		
607	671	617

one hundred and twenty four		
124	142	241

four hundred and forty five		
454	545	445

seven hundred and twelve		
712	721	217

three hundred and eighty nine		
398	389	893

Nine hundred and two		
920	902	922

Write the number symbol for the following:

a. 7 hundreds + 8 tens + 3 units = _____

b. 3 units + 6 hundreds + 1 ten = _____

c. thirteen tens + 1 hundred = _____

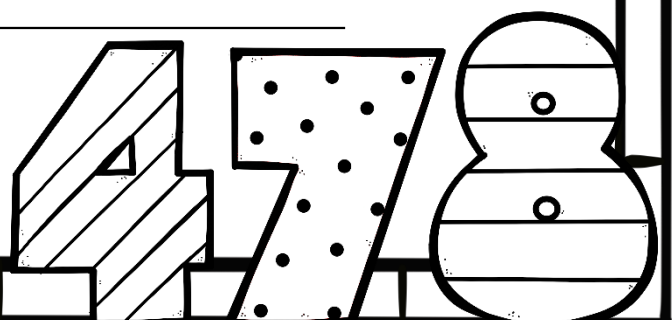
d. eight hundred and sixty three = _____

e. five hundred and sixty seven = _____

f. 5 hundreds + 2 tens + 9 units = _____

g. nine hundred and seventy six = _____

h. thousand = _____



Describe, compare and order numbers

a. Write the number name for the following:

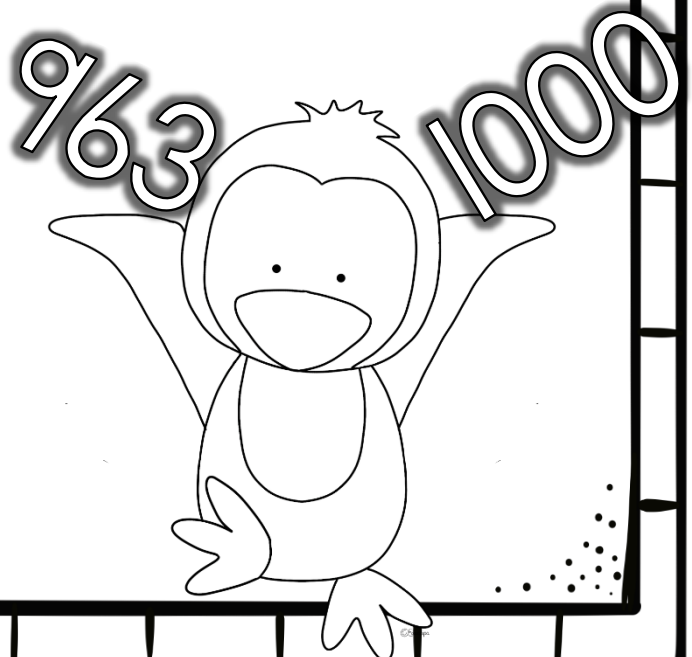
	Number name
The number before 700:	
The number before 548 :	
The number after 999 :	
The number before 988 :	
$462 + 5 = ?$	

b. Complete the number symbols on the number chart.

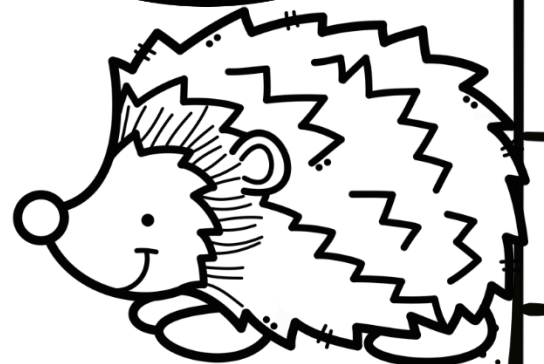
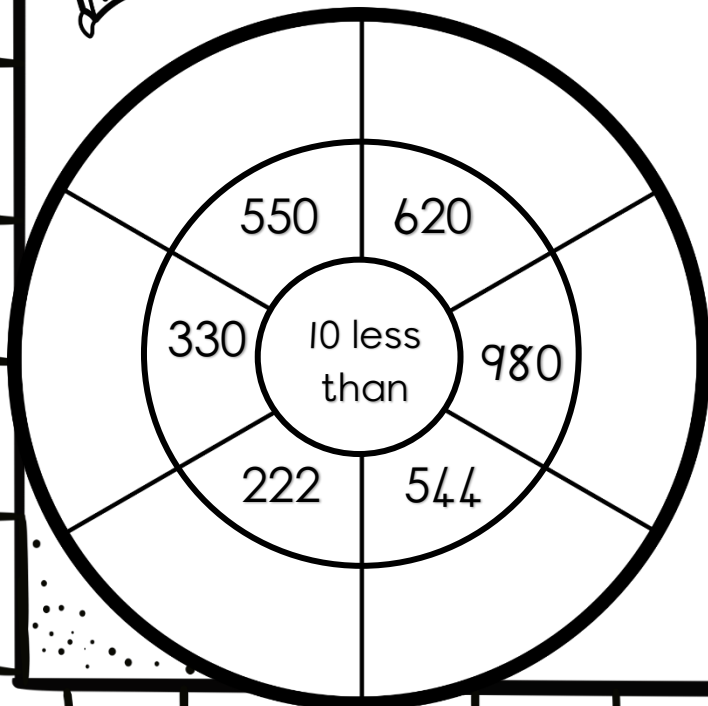
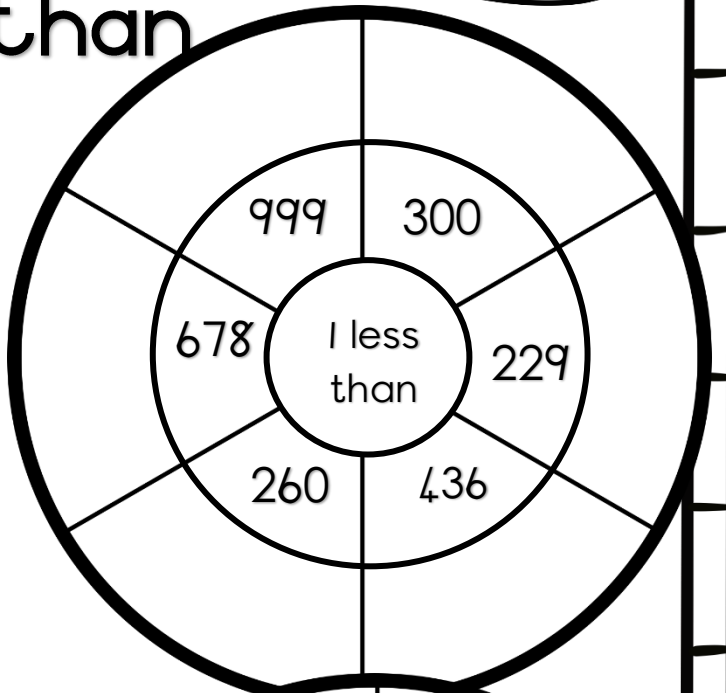
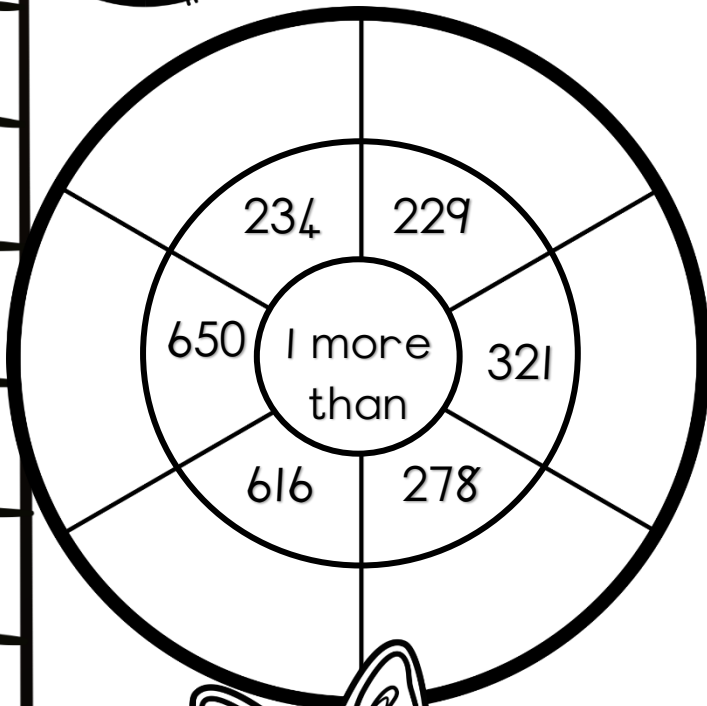
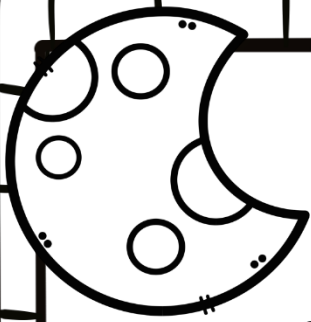
961	962	963	964	965					970
971	972					977	978		980
	982	983	984	985	986		988	989	
991		993	994	995		997	998		1000

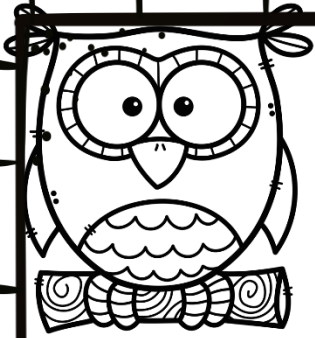
c. Read the number names below, find the number symbol on the number chart and colour the block.

- ❖ nine hundred and ninety nine.
- ❖ nine hundred and seventy
- ❖ nine hundred and eighty two
- ❖ nine hundred and sixty one
- ❖ nine hundred and ninety five
- ❖ nine hundred and ninety
- ❖ thousand



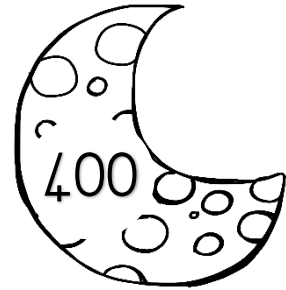
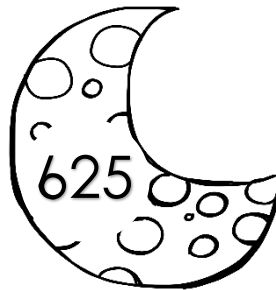
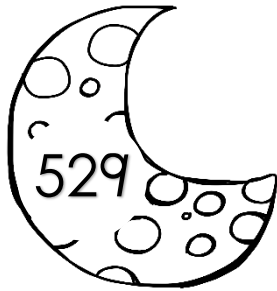
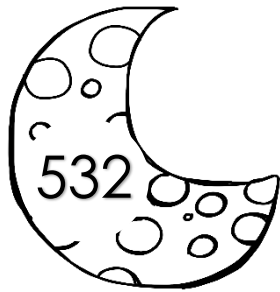
More than and less than



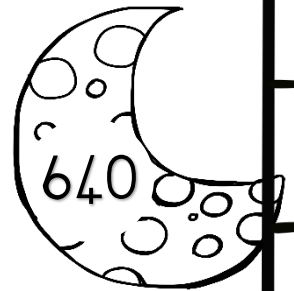
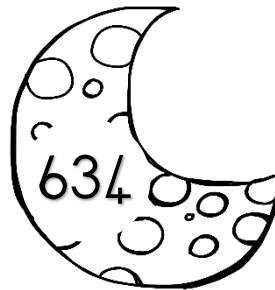


Describe, compare and order numbers

Nocturnal animals struggle to see at night.
Help them to find the answer in the moons and write it at the correct question.



- a. 1 less than 529 is _____
- b. 1 more than 529 is _____
- c. 5 more than 625 is _____
- d. 5 less than 625 is _____
- e. 10 more than 640 is _____
- f. 10 less than 640 is _____
- g. 20 more than 640 is _____
- h. 25 more than 625 is _____
- i. 50 more than 400 is _____
- j. 50 less than 400 is _____
- k. The even numbers are _____
- l. The uneven numbers are _____
- m. Double 400 _____
- n. The half of 400 _____
- o. The half of 640 _____



p. Order the numbers in ascending order. (small to big)

q. Order the numbers in descending order. (big to small)

More than and less than

Fill in more than or less than.

less than or more than		
145		154

less than or more than		
823		789

Less than or more than		
466		644



a. Arrange in descending order.

b. Arrange in ascending order.

c. What number is the most? _____

d. What number is the least? _____

e. What number is 20 more than 870? _____

f. What number is 20 less than 870? _____

g. Fill in $>$, $<$ or $=$

• 718 _____ 708

• 870 _____ 780

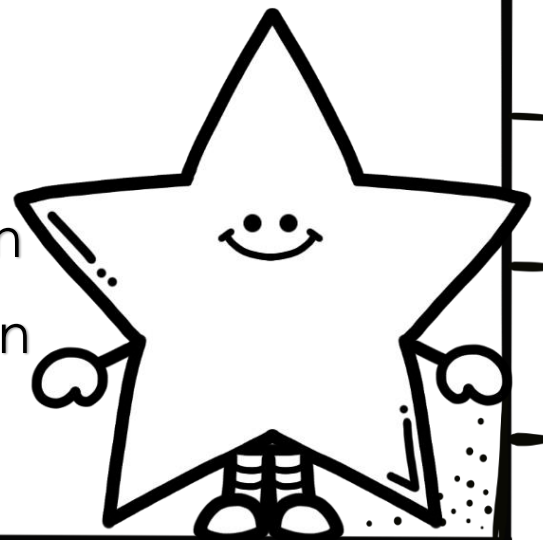
• 877 _____ 870

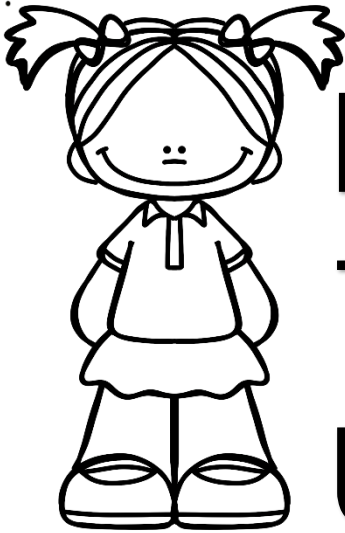
• 708 _____ 708

$>$ bigger than

$<$ smaller than

$=$ equal to





H
T
U

Place value

Expanded notation

Example:

$$743 = 7H + 4T + 3U$$

OR

$$\text{Seven hundred and forty three} = 7H + 4T + 3U$$

Write the following numbers in expanded notation in Hundreds, Tens and Units.

a. six hundred and fifty three - _____

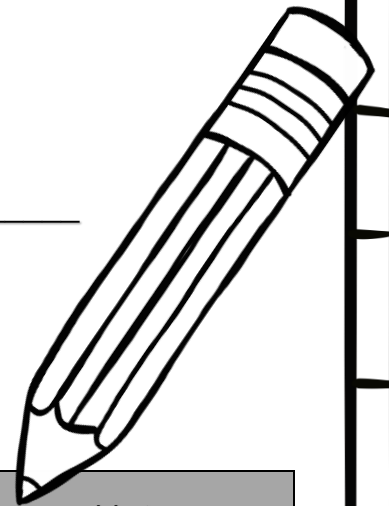
b. four hundred and seventy six - _____

c. 898 - _____

d. 426 - _____

e. three hundred and forty eight - _____

f. two hundred and seventy two - _____



Complete the following table:

	Hundreds	Tens	Units
589			
245			
63			
123			

Place value & Number value

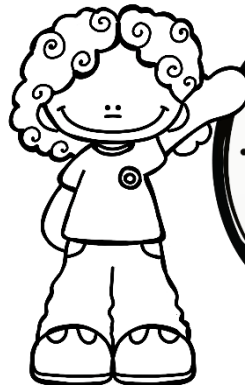
- Colour the number showing hundreds with red.
- Colour the number showing the tens with blue.
- Underline the number showing the units with green.



Place value shows the **PLACE** of the number.



Number value shows the **VALUE** of the number.



Name the place value and the number value of the underlined number.

6 <u>8</u> 9		3 <u>4</u> 7		8 <u>6</u> 2	
Place value	Number value	Place value	Number value	Place value	Number value

Complete the following.

a. $456 = 400 + \underline{\quad} + \underline{\quad}$

b. $\underline{\quad} = 600 + 50 + 9$

c. $800 + \underline{\quad} + 3 = 823$

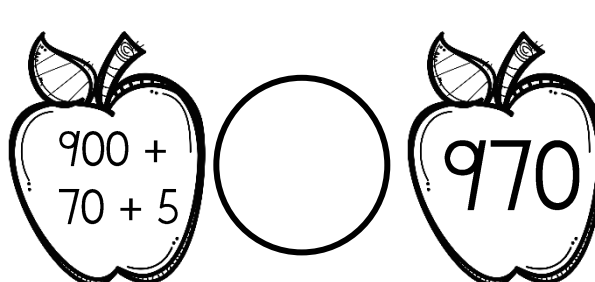
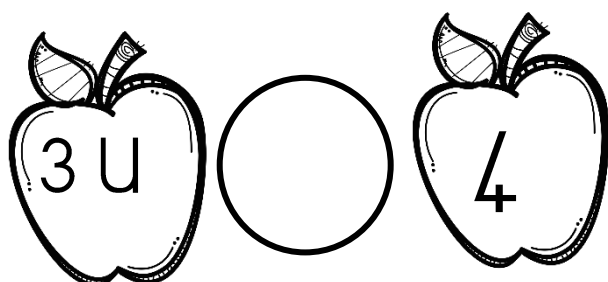
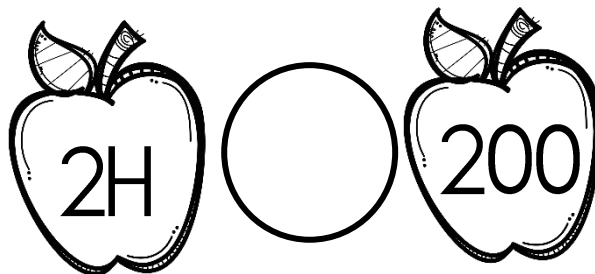
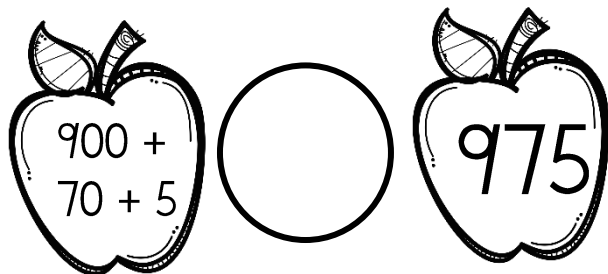
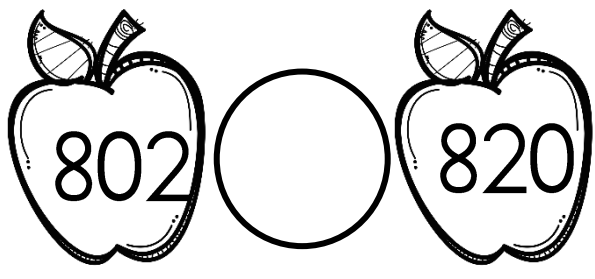
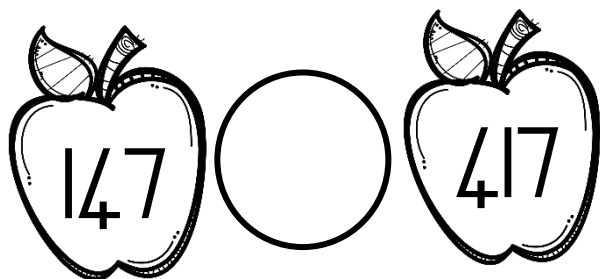
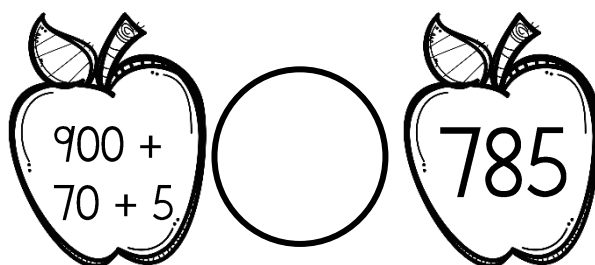
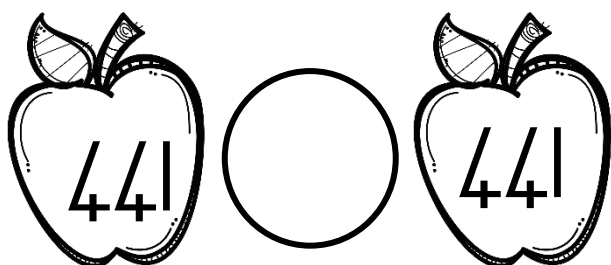
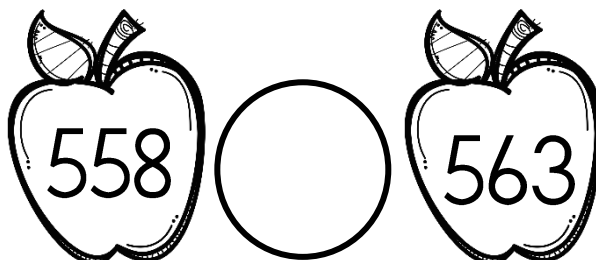
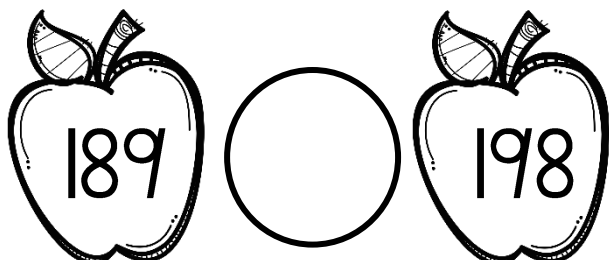
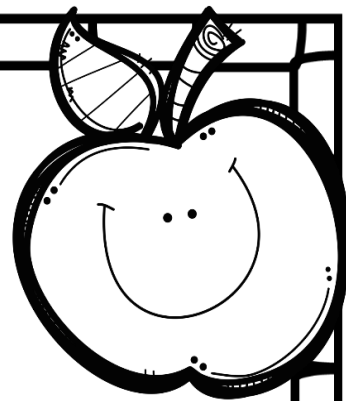
d. $387 = \underline{\quad} + \underline{\quad} + \underline{\quad}$

Underline the correct word in the sentence.

- Place value describes the place / value of the number
- Number value describes the place / value of the number.

Bigger than, smaller than, equal to

Look at the numbers in the apples. Write in the circle in the middle if it is bigger than, smaller than or equal to.



Problem solving

Remember to write a number sentence and do your calculation.

The Gr. 2's have a collection of 360 marbles. The Grade 3's have 216 less marbles than the Grade 2's. How many marbles do the Grade 3's have?

Thembi collects articles for the school's recycling project. She collects 624 plastic bottles and 268 cans. How many articles does she have altogether?

The store had 900 packets of sugar. After they sold some packets, they had 625 packets in the shop. How many packets did they sell?

Mr Khumalo planted 20 rows of orange trees? There were 12 trees in a row. How many trees are there altogether?

Repeated addition

Complete the following by using repeated addition.

a. $2 + 2 + 2 = \underline{\quad}$ therefore $2 \times \square = 6$

b. $5 + 5 + 5 + 5 + 5 = \underline{\quad}$ therefore $5 \times \square = 25$

c. $4 + 4 + 4 + 4 = \underline{\quad}$ therefore $4 \times \square = 16$

d. $10 + 10 + 10 + 10 + 10 = \underline{\quad}$ therefore $10 \times \square = 50$

Help farmer John to quickly count his animals on the farm using repeated addition.

Write a number sentence.

a. 5 sheds with 10 sheep in every shed.

b. 2 dams with 8 ducks swimming in each dam.

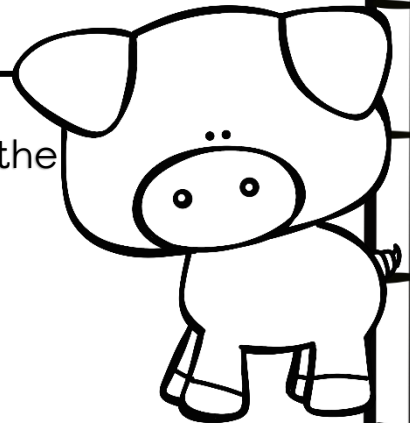
c. 7 pigpens with 3 pigs in each pen.

d. 3 chicken cages with 5 hens in each cage.

Farmer John would like to count how many eggs are laid by counting in 4's. Each hen laid 4 eggs.

Complete the table to help the farmer.

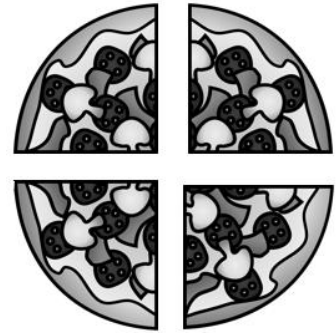
	nest 1	nest 2	nest 3	nest 4	nest 5	nest 6
4's						



Fractions

Connect the description to the correct pizza by drawing a line with a ruler.

When we divide something into 2 equal parts, we call the parts halves.



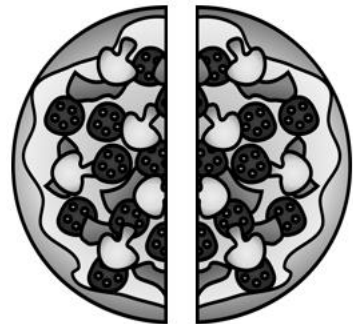
When we divide something into 3 equal parts, we call the parts thirds.



When we divide something into 4 equal parts, we call the parts quarters.



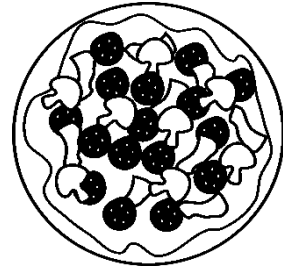
When we divide something into 5 equal parts, we call the parts fifths.



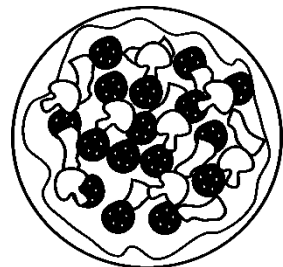
Pizza fractions

Answer the following questions and use the pizza to show your answer.

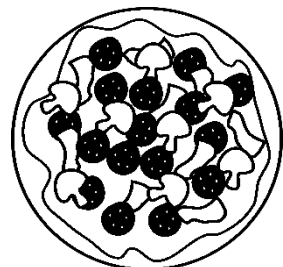
1. If two friends share a pizza equally, what fraction of the pizza will each get?



2. If four friends share a pizza equally, what fraction of the pizza will each get?



3. If three friends share a pizza equally, what fraction of the pizza will each get?



4. Mom divides the pizza into 5 parts. John eats 2 of the parts.

a. What fraction did John eat? _____

b. What fraction of the pizza remain?

Fraction wall

1 whole

$\frac{1}{2}$ half

$\frac{1}{2}$ half

$\frac{1}{3}$ third

$\frac{1}{3}$ third

$\frac{1}{3}$ third

$\frac{1}{4}$ quarter

$\frac{1}{4}$ quarter

$\frac{1}{4}$ quarter

$\frac{1}{4}$ quarter

$\frac{1}{5}$ fifth

$\frac{1}{5}$ fifth

$\frac{1}{5}$ fifth

$\frac{1}{5}$ fifth

$\frac{1}{5}$ fifth

$\frac{1}{6}$ sixth

$\frac{1}{6}$

$\frac{1}{6}$

$\frac{1}{6}$

$\frac{1}{6}$

$\frac{1}{6}$

$\frac{1}{8}$ eighth

$\frac{1}{8}$

$\frac{1}{8}$

$\frac{1}{8}$

$\frac{1}{8}$

$\frac{1}{8}$

$\frac{1}{8}$

$\frac{1}{8}$

$\frac{1}{10}$ tenth

$\frac{1}{10}$

$\frac{1}{10}$

$\frac{1}{10}$

$\frac{1}{10}$

$\frac{1}{10}$

$\frac{1}{10}$

$\frac{1}{10}$

$\frac{1}{10}$

$\frac{1}{10}$

$\frac{1}{12}$
twelfth

$\frac{1}{12}$

$\frac{1}{12}$

$\frac{1}{12}$

$\frac{1}{12}$

$\frac{1}{12}$

$\frac{1}{12}$

$\frac{1}{12}$

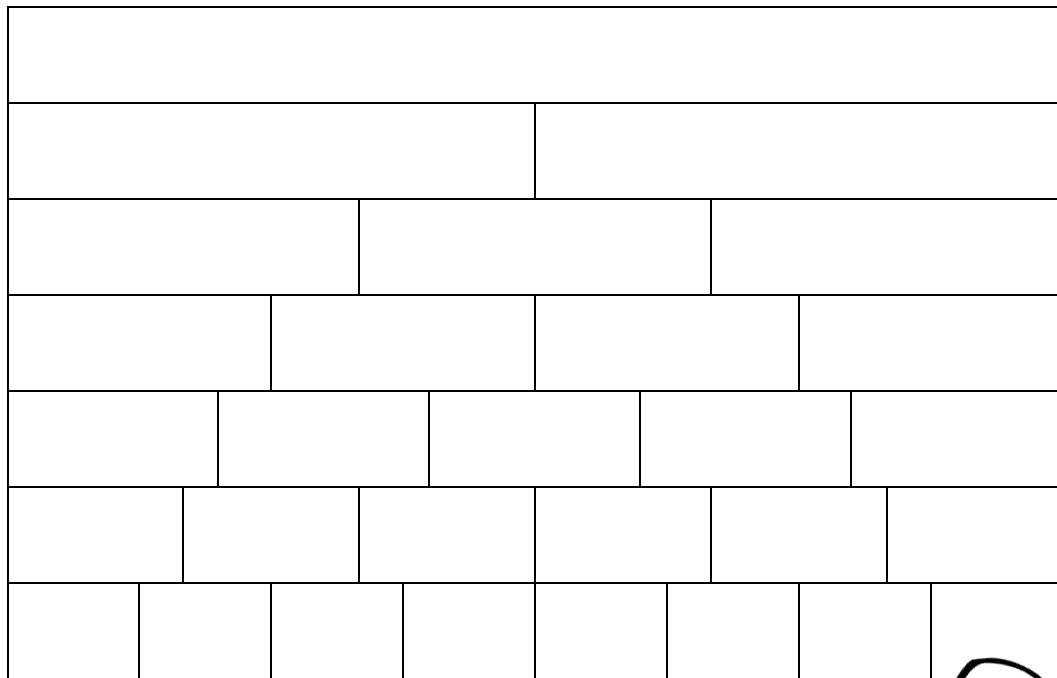
$\frac{1}{12}$

$\frac{1}{12}$

$\frac{1}{12}$

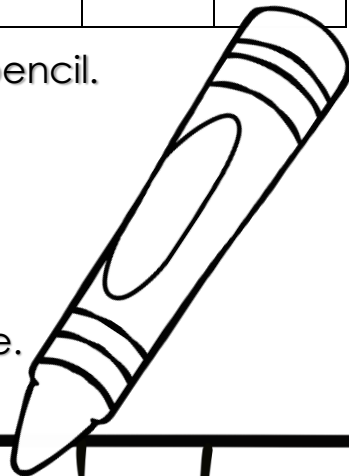
$\frac{1}{12}$

Fraction wall



Colour the following with a coloured pencil.

- Colour a whole with red.
- Colour a half with blue.
- Colour two thirds with yellow.
- Colour two quarters with orange.
- Colour four fifths with green.



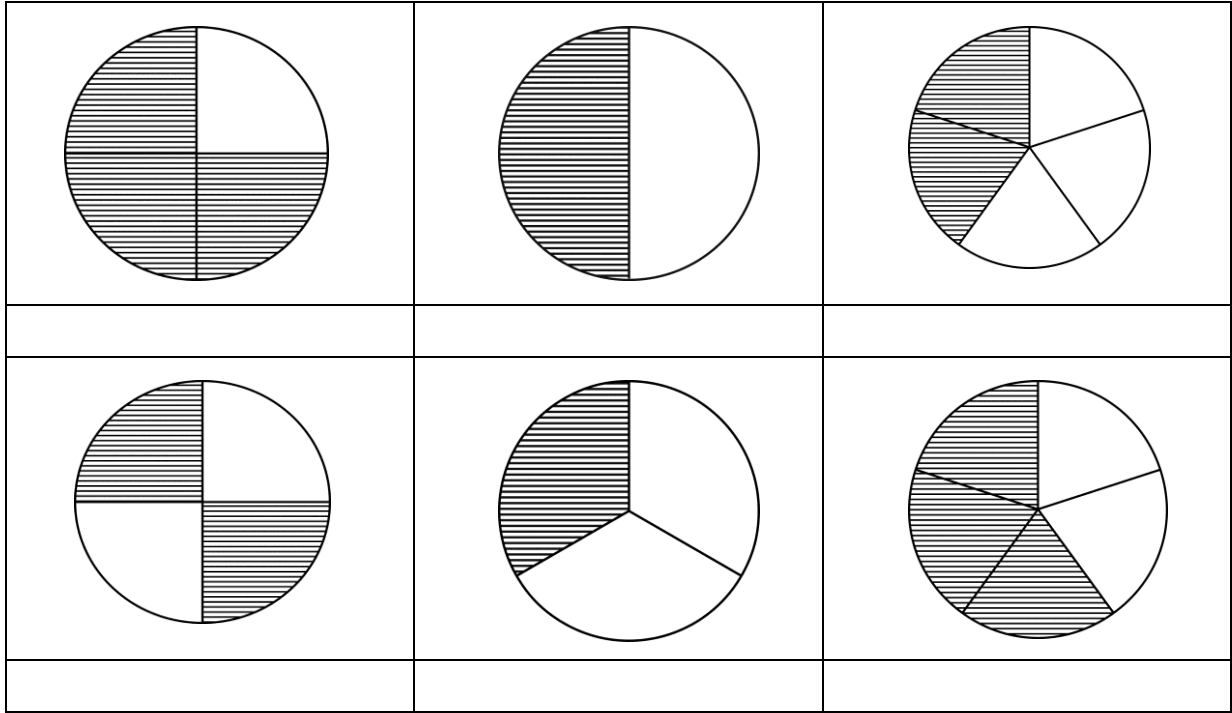
Look at the fraction wall and answer these questions.

- When a shape is divided into 2 equal parts, we call the parts _____
- When a shape is divided into 3 parts, each part is called a _____.
- When a shape is divided into _____ equal parts, we call it quarters.
- Is 1 half bigger or smaller than 3 quarters?
- How many quarters are there in 1 whole? _____
- How many eighths are equal to 1 whole?

- Are two quarters equal to 1 half?

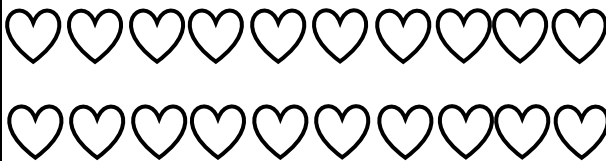
Fractions

What fraction is coloured?

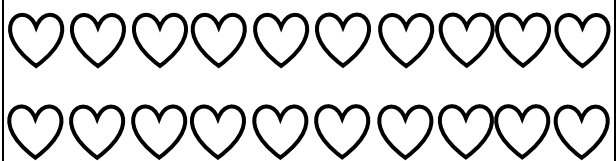


Colour the following hearts.

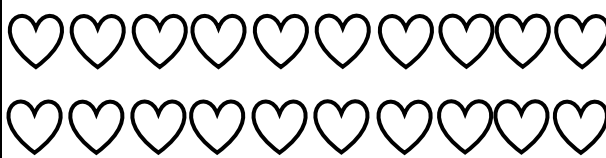
Colour three quarters.



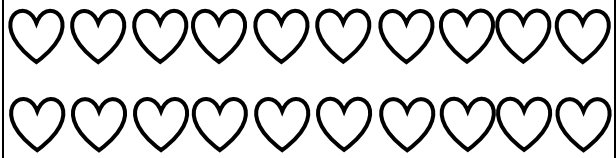
Colour two thirds.



Colour one half.



Colour four fifths.



Addition and Subtraction

Addition and subtraction using different methods

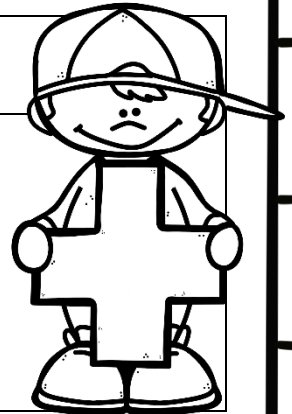
Example - Addition

Breaks down 1 number

$$\begin{aligned}564 + 132 &= \\ &= 564 + (100 + 30 + 2) \\ &\rightarrow 564 + 100 = 664 \\ &\rightarrow 664 + 30 = 694 \\ &\rightarrow 694 + 2 = 696\end{aligned}$$

Break down both numbers.

$$\begin{aligned}524 + 182 &= \\ &= (500 + 20 + 4) + (100 + 80 + 2) \\ &= (500 + 100) + (20 + 80) + (4 + 2) \\ &= (600 + 100) + 6 \\ &= 700 + 6 \\ &= 706\end{aligned}$$



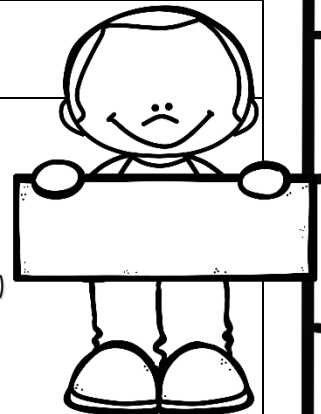
Example - Subtraction

Breaks down 1 number

$$\begin{aligned}564 - 152 &= \\ &= 564 - (100 + 50 + 2) \\ &\rightarrow 564 - 100 = 464 \\ &\rightarrow 464 - 50 = 414 \\ &\rightarrow 414 - 2 = 412\end{aligned}$$

Break down both numbers

$$\begin{aligned}889 - 137 &= \\ &= (800 + 80 + 9) - (100 + 30 + 7) \\ &= (800 - 100) + (80 - 30) + (9 - 7) \\ &= 700 + 50 + 2 \\ &= 752\end{aligned}$$



Use the methods above to calculate

Breaks down 1 number

$$706 - 437 =$$

→ _____
→ _____
→ _____

Breaks down 1 number

$$753 + 235 =$$

→ _____
→ _____
→ _____

Break both numbers down

$$647 - 243 =$$

→ _____
→ _____
→ _____

Break both numbers down.

$$321 + 678 =$$

→ _____
→ _____
→ _____

Breaks down 1 number

$$646 - 427 =$$

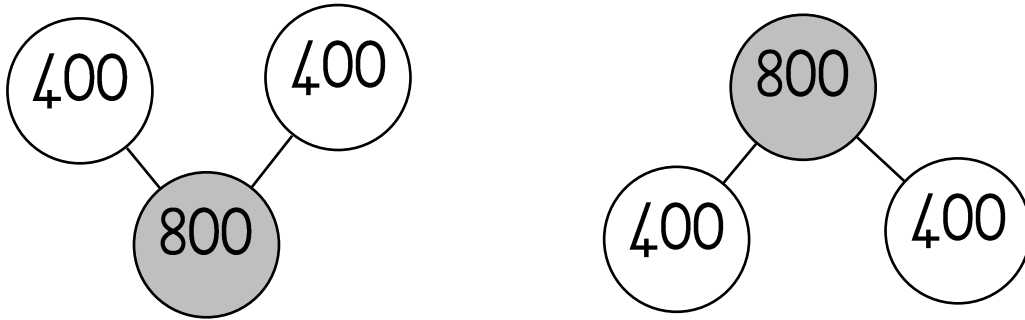
→ _____
→ _____
→ _____

Break down both numbers.

$$568 + 239 =$$

→ _____
→ _____
→ _____

Double and Halve



Complete the following:

$223 + 223 = \underline{\quad}$	$117 + 117 = \underline{\quad}$
$160 + 160 = \underline{\quad}$	$450 + 450 = \underline{\quad}$
$115 + 115 = \underline{\quad}$	$112 + \underline{\quad} = 224$
$315 + 315 = \underline{\quad}$	$116 + \underline{\quad} = 232$

Double and Halve using the numbers in column A.

Column A	Double	Halve
34		
18		
42		
24		
26		
422		
200		

Double

Example

Double digits

340 double =

$$\begin{aligned} &= 340 + 340 \\ &= 340 \text{ double} \\ &= 300 + 300 + 40 + 40 \\ &= 600 + 80 \\ &= 680 \end{aligned}$$

Almost double digits

340 + 341 =

$$\begin{aligned} &= 340 \text{ double} + 1 \\ &= 300 + 300 + 40 + 40 + 1 \\ &= 600 + 80 + 1 \\ &= 681 \end{aligned}$$

Use the methods above to calculate the answers.

$43 + 43$

$43 + 44$

$40 + 41$

$66 + 67$

$420 + 420$

$430 + 431$

$270 + 270$

$261 + 262$

Division

Quick calculations – Fill in the answers.

$30 \div 3 =$	$15 \div 3 =$	$60 \div 3 =$	$600 \div 3 =$	$48 \div 2 =$
$150 \div 3 =$	$24 \div 4 =$	$240 \div 4 =$	$25 \div 5 =$	$30 \div 5 =$
$120 \div 4 =$	$12 \div 4 =$	$72 \div 2 =$	$7 \div 1 =$	$96 \div 2 =$
$400 \div 10 =$	$20 \div 2 =$	$42 \div 4 =$	$21 \div 3 =$	$4 \div 4 =$

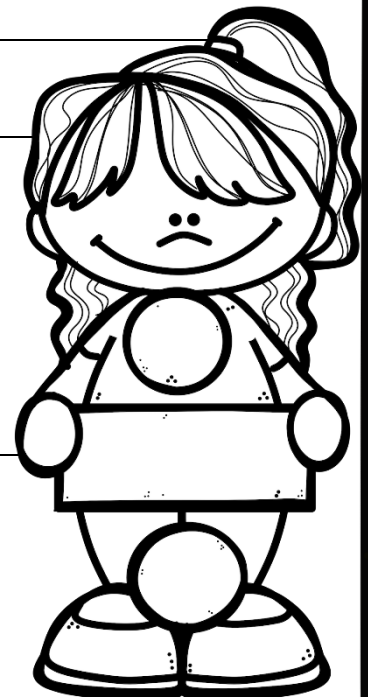
Example of method

Distributive principle

$$\begin{aligned}
 39 \div 3 &= \\
 &= (30 + 9) \div 3 \\
 &= (30 \div 3) + (9 \div 3) \\
 &= 10 + 3 \\
 &= 13
 \end{aligned}$$

Division with a remainder

$$\begin{aligned}
 45 \div 4 &= \\
 &= (40 + 5) \div 4 \\
 &= (40 \div 4) + (5 \div 4) \\
 &= 10 + 1 \text{ res } 1 \\
 &= 11 \text{ res } 1
 \end{aligned}$$



Calculate the following sums.

$45 \div 5 =$	$46 \div 2 =$
→ _____	→ _____
→ _____	→ _____
→ _____	→ _____
→ _____	→ _____
$63 \div 3 =$	$65 \div 3 =$
→ _____	→ _____
→ _____	→ _____
→ _____	→ _____
→ _____	→ _____
$64 \div 4 =$	$49 \div 4 =$
→ _____	→ _____
→ _____	→ _____
→ _____	→ _____
→ _____	→ _____

Multiplication

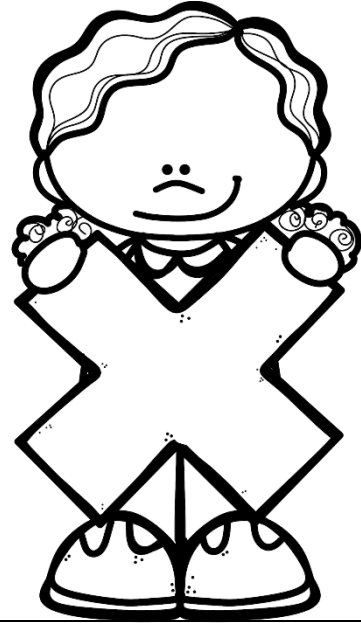
Example of method

$12 \times 4 =$

$$\begin{aligned} &= (10 + 2) \times 4 \\ &= 40 + 8 \\ &= 48 \end{aligned}$$

$17 \times 3 =$

$$\begin{aligned} &= (10 + 7) \times 3 \\ &= 30 + 21 \\ &= 30 + 20 + 1 \\ &= 51 \end{aligned}$$

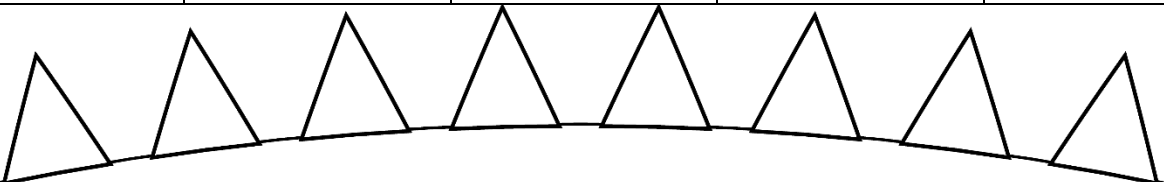


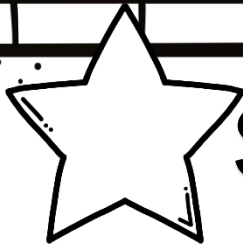
Calculate the following sums:

$12 \times 3 =$	$19 \times 3 =$
→ _____ → _____ → _____ → _____	→ _____ → _____ → _____ → _____
$13 \times 4 =$	$11 \times 2 =$
→ _____ → _____ → _____ → _____	→ _____ → _____ → _____ → _____
$22 \times 2 =$	$12 \times 4 =$
→ _____ → _____ → _____ → _____	→ _____ → _____ → _____ → _____

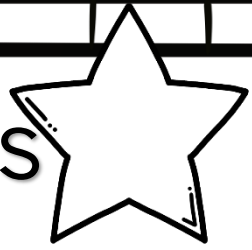
Do as fast as you can.

$9 \times 3 =$	$4 \times 6 =$	$9 \times 5 =$	$2 \times 3 =$	$3 \times 6 =$
$8 \times 4 =$	$3 \times 4 =$	$5 \times 5 =$	$4 \times 6 =$	$5 \times 10 =$

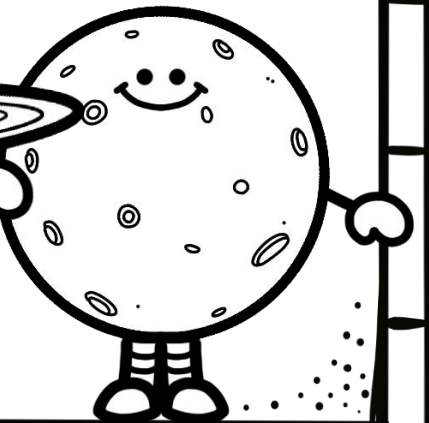
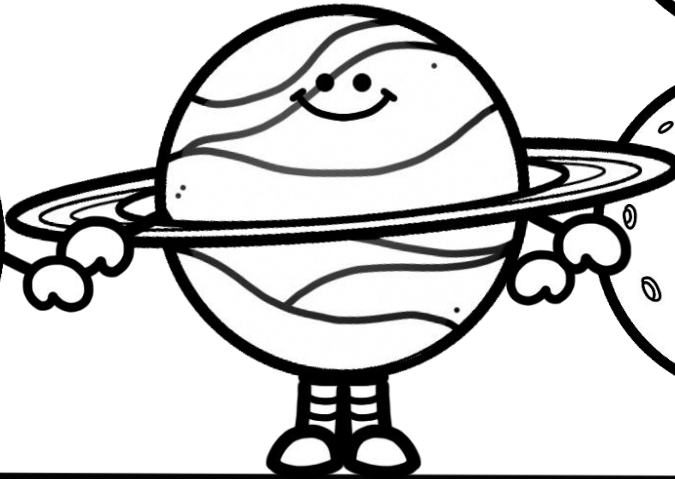
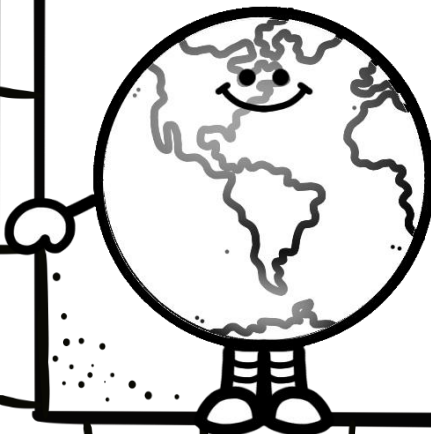
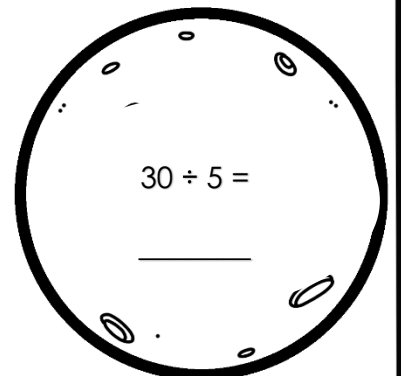
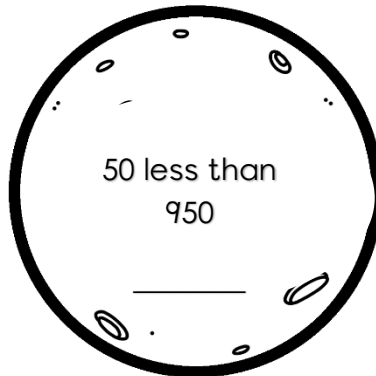
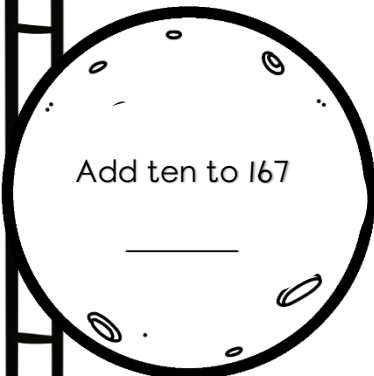
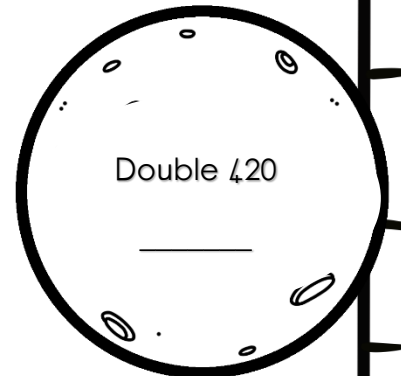
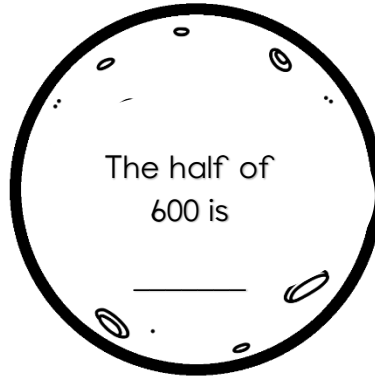
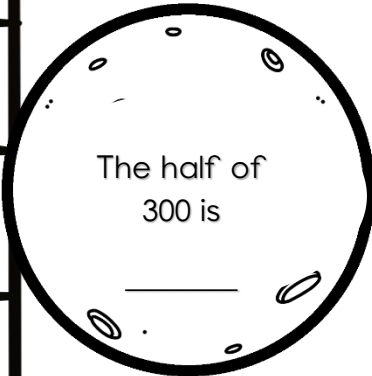




Smart Planets























Are you clever? See whether you can help the planets to complete the following.



Money

Calculate the following sums with the coins and notes.

10 x  = R	20 x  = R	50 x  = R	100 x  = R
10 x  = R	20 x  = R	50 x  = R	100 x  = R
10 x  = R	20 x  = R	50 x  = R	100 x  = R
10 x  = R	20 x  = R	50 x  = R	100 x  = R
10 x  = R	20 x  = R	50 x  = R	100 x  = R

Write as Rand and cent.

	Answer
435c	
100c	
617c	
200c	

Write 325c as rand and cent.

R3.25

Calculate the following:

Mandla paid R 5,50 for a taxi to take him to school. How much will it cost to go to school for 5 days?

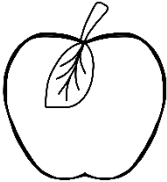

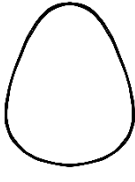
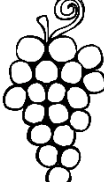


I pay with R 20. I buy sweets for R 6,80. How much change will I get?

Damon bought 3 books for R180. What change will he get if he paid with R 300?

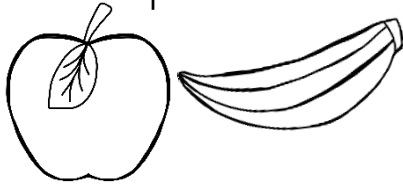
Bongi has R192. She spent the half of her money to buy a dress. What change will he get?

Money

Calculate the cost. What will my change be?

					
R5.00	R3.50	R2.50	R8.00	R10.00	R9.50

Klara paid with R10.



Calculate the cost:

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

Calculate the difference:

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

Klara will get _____ change.

Ben paid with R20.



Calculate the cost:

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

Calculate the difference:

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

Ben will get _____ change.

David paid with R16.



Calculate the cost:

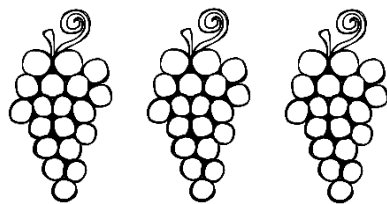
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Calculate the difference:

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

David will get _____ change.

Mia paid with R25.



Calculate the cost:

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

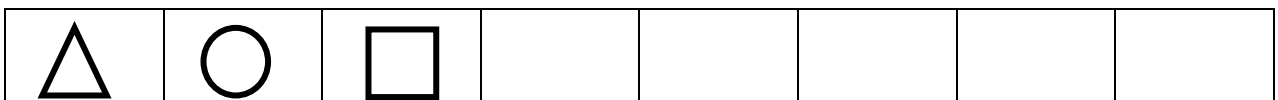
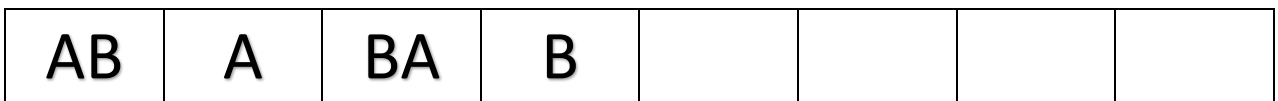
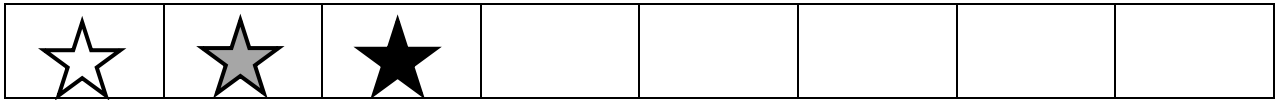
Calculate the difference:

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

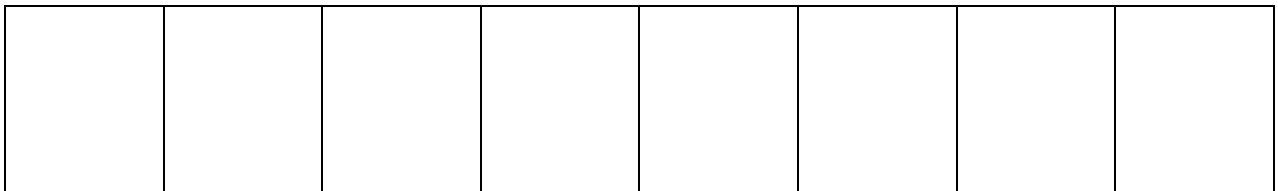
Mia will get _____ change.

Geometric patterns

Complete the patterns.

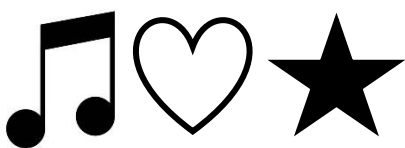


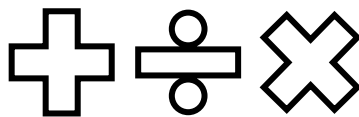
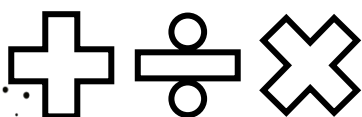
Create your own pattern by using lines, shapes and colour.



Expand the pattern by drawing another set.

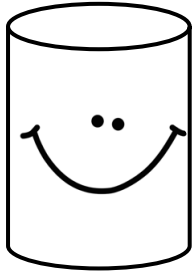






3D - objects

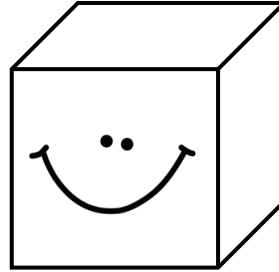
Name the 3 D - objects and colour the type of surface the object has.



Name the 3 D object

curved
surface

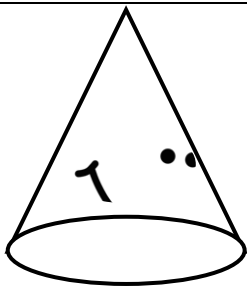
flat surface



Name the 3 D - object

curved
surface

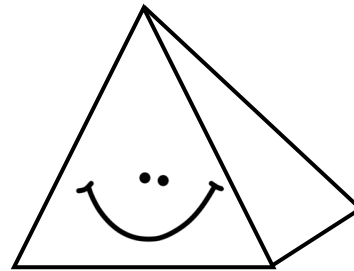
flat surface



Name the 3 D - object

curved
surface

flat surface

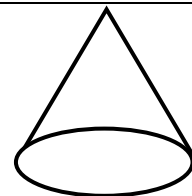
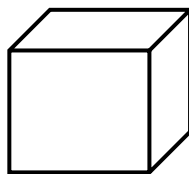
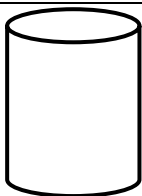


Name the 3 D - object

curved
surface

flat surface

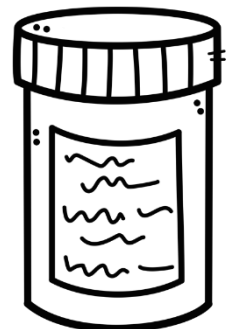
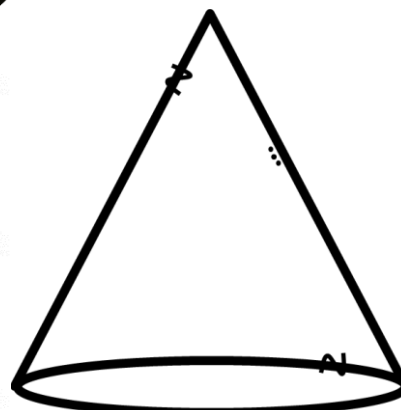
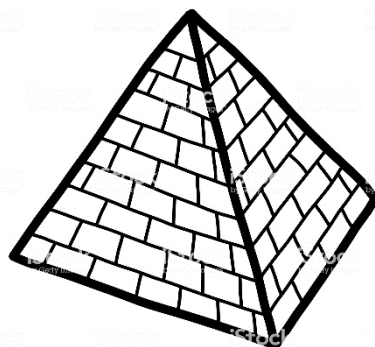
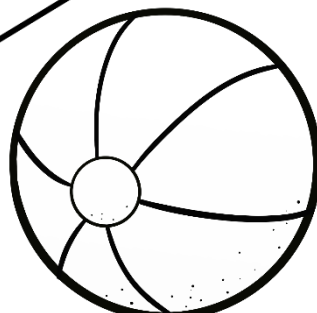
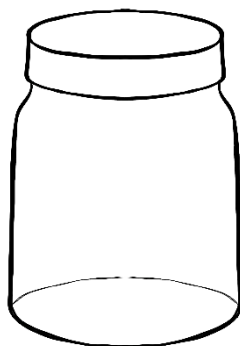
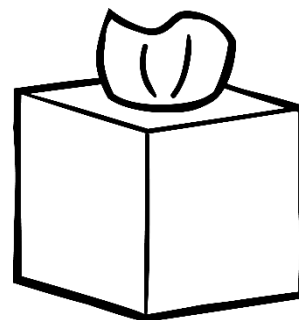
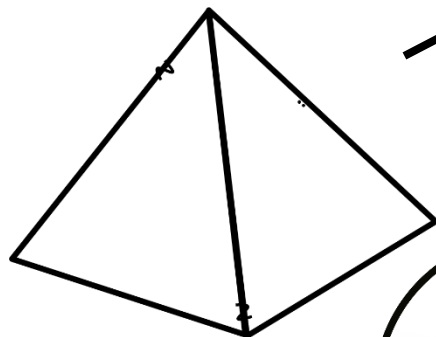
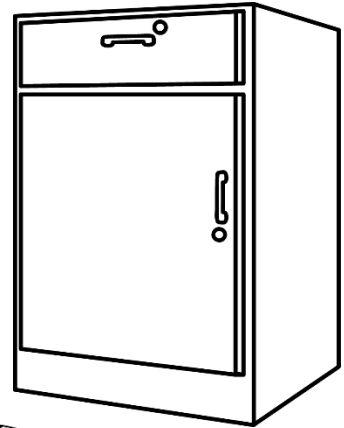
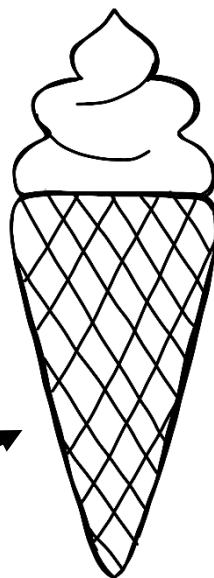
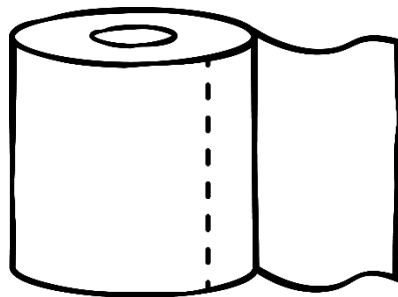
Which 2 D shapes do you recognize in the 3 D - objects.



3D-objects

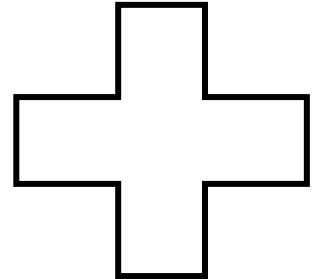
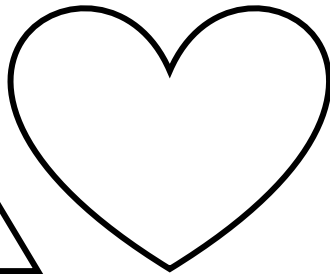
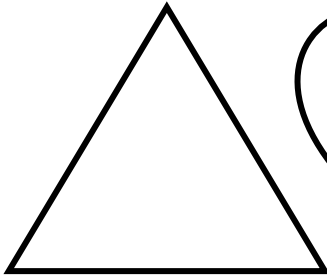
Colour the objects as follow:

- Balls – Green
- Cylinders – Purple
- Boxes (prisms) – Blue
- Pyramids– Yellow
- Cones - red



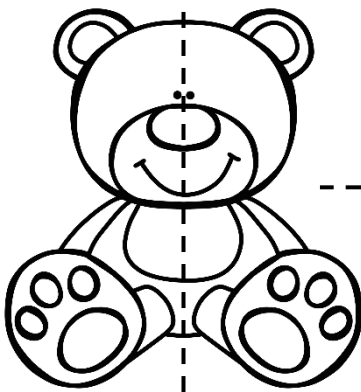
Symmetry

Draw the symmetry line on each shape:

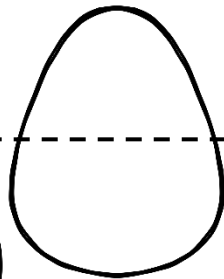


Are the lines of symmetry of the following objects correct?

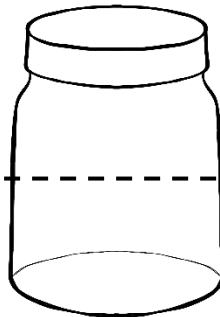
Colour yes or no and draw the correct line of symmetry.



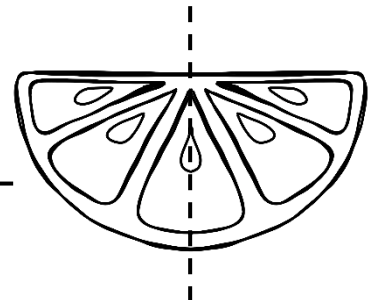
yes
no



yes
no

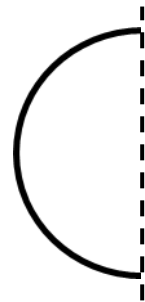
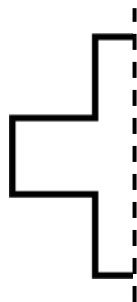
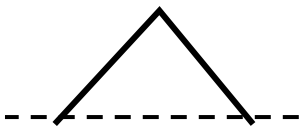


yes
no



yes
no

Draw the other half of the shape.



Mass

Look at the following pictures and answer the questions.

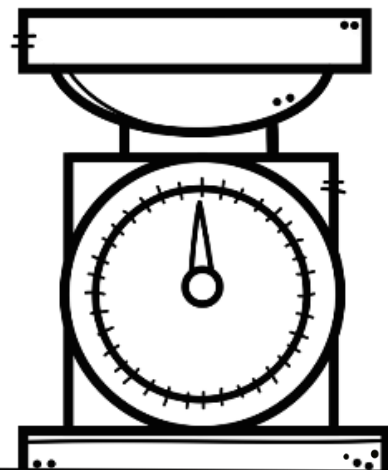


- Is the 1 kg washing powder lighter or heavier than the 3 kg washing powder? _____
- Is the 500g cookies lighter or heavier than the 1kg cookies? _____
- Is the 2kg Oats lighter or heavier than the 500g Corn flakes? _____

Study the mass of the following products and arrange the mass from the most to the least.

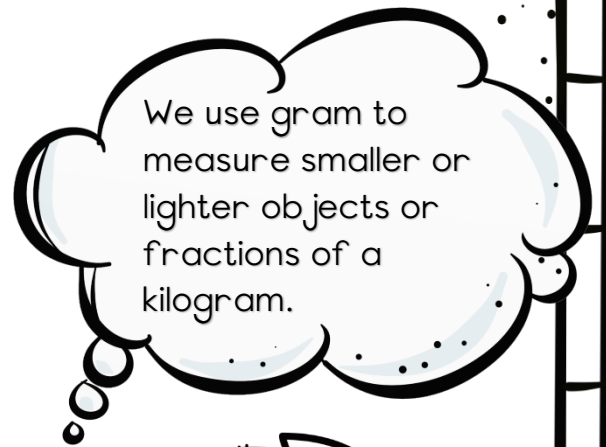
sugar	coffee	maize meal	rice	baking powder
2.5kg	200g	5kg	1kg	120g

Product	Mass
1.	
2.	
3.	
4.	
5.	



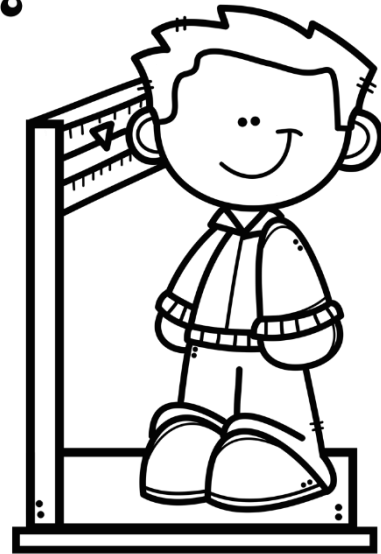
Mass

Mass is the measure of the amount of material or substance in the object. The more there is, the harder to move the object



Weight

Weight is the degree of gravity that substance subtracts. There is less gravity on the moon, so things weigh less. Here on earth we use the same measurements for mass and weight for everyday purposes. We measure mass in kilograms and grams.

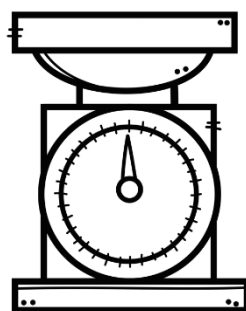


Different scales

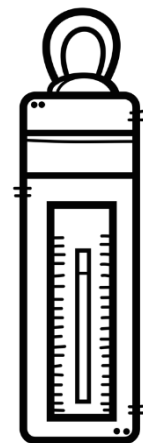
We use different scales to measure mass and weight. We measure mass with a balance scale and weight with a spring scale.



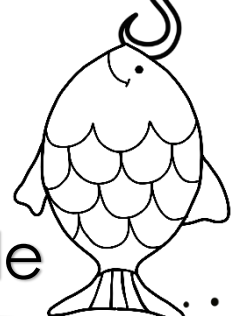
balance scale



kitchen scale



spring scale

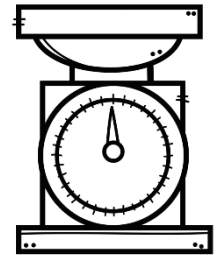
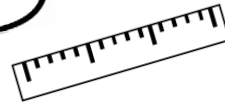
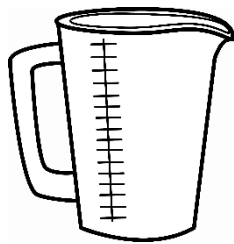
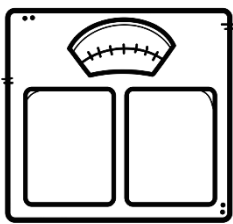


Mass

1. Underline the correct answer. Mass is measured in:

milliliter gram meter liter kilogram centimeter

2. With which measuring instrument do we measure mass? Colour the correct picture.



3. What does the following abbreviations stand for?

g → _____ kg → _____

4. Fill in >, < or =

a. 500 g _____ 250 g

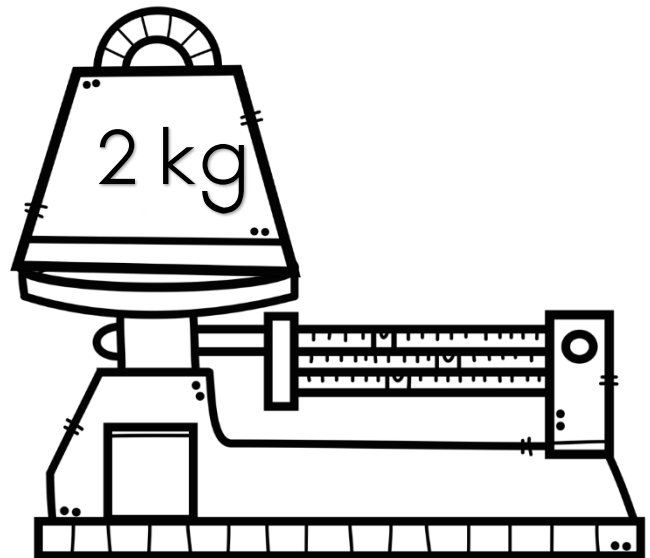
b. 1 kg _____ 1000 g

c. 500 g + 500 g _____ 1000 g

d. 3 kg _____ 5 kg

e. $\frac{1}{2}$ kg _____ 1 kg

f. $\frac{1}{2}$ kg _____ 250 g



Make 1 kilogram.

Add to make 1 kg (1000gram).

1. 125g + 250g + _____ g = 1000g

2. 50g + 30g + 240g + 60g + 100g + _____ = 1 kg

3. 50g + 90g + 160g + _____ = 1000g

4. 57g + 46g + 243g + 334g + _____ = 1000g

Capacity (Volume)



We measure small quantities of liquid in milliliter (ml).

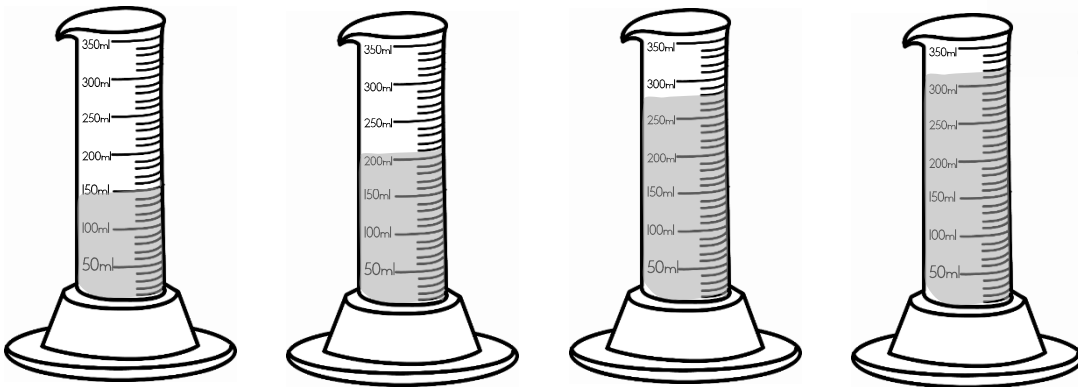
We measure bigger quantities of liquid in liter (ℓ).

There are 1000 milliliter in a liter.

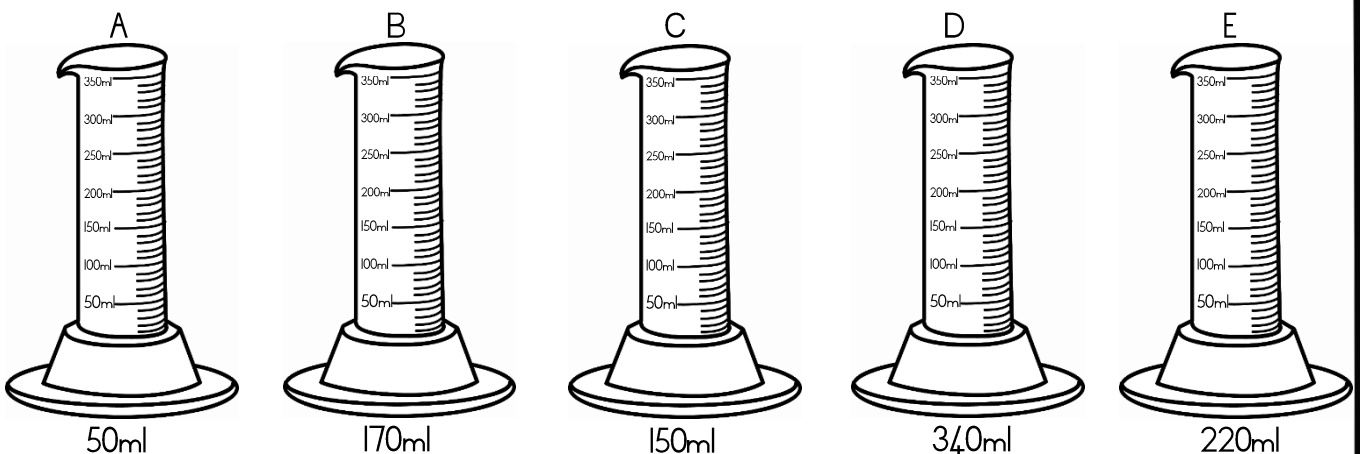
The class is busy doing experiments.

They measure the fluids in a test tube.

Help them to check how many ml of liquid is in each test tube.



Colour the test tubes to show the quantities.



Which test tube has the most liquid? _____

Which test tube has the least liquid? _____

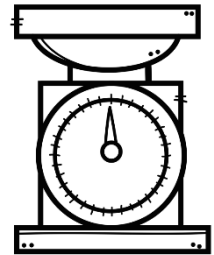
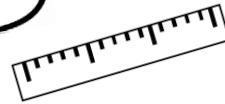
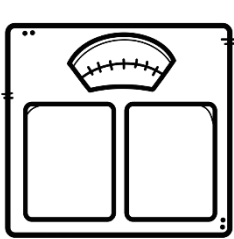
Capacity (Volume)

5. Underline the correct answer. Volume is measured in:

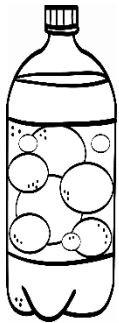
milliliter gram meter liter kilogram centimeter

6. With which measuring instrument do we measure volume?

Colour the correct picture .

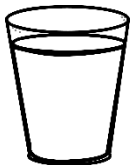


Colour the correct blocks



1 liter

2 liter 1 liter 500ml	1 liter 500ml 750ml	1 liter 500ml 750ml



250ml

2 liter 1½ liter 2½ liter	4 liter 5 liter 3 liter	500ml 250ml 750ml

$$1 \text{ liter} = 1000 \text{ ml}$$

$$\frac{1}{4} \text{ liter} = 250 \text{ ml}$$

$$\frac{1}{2} \text{ liter} = 500 \text{ ml}$$

Fill in >, < or =

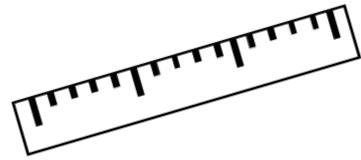
a. $\frac{1}{4}$ liter _____ $\frac{1}{2}$ liter

b. 500 ml _____ $\frac{1}{2}$ liter





c. 500 ml _____ 1 liter

d. 1000 ml _____ 1 liter

Length



Measure the length of the following lines with a ruler.

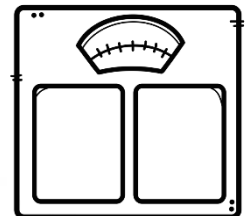
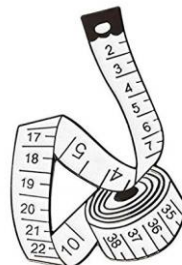
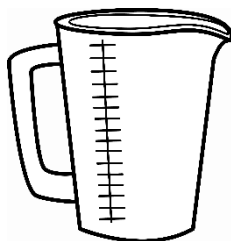
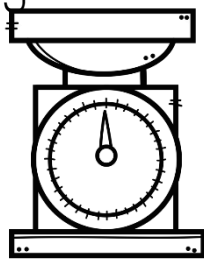
	Answer
Line 1 	
Line 2 	
Line 3 	
Line 4 	

Which line is the shortest? _____

Which line is the longest? _____

What is the difference between the longest and the shortest line?

What measuring instrument do we use to measure length? Colour the pictures .

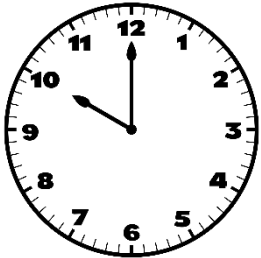
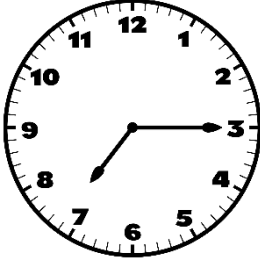
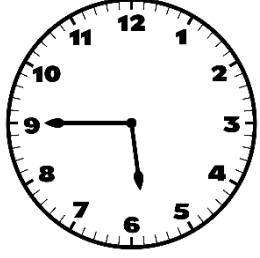
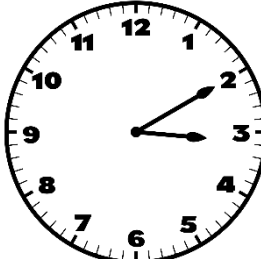
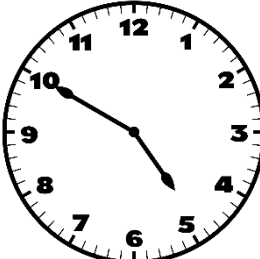
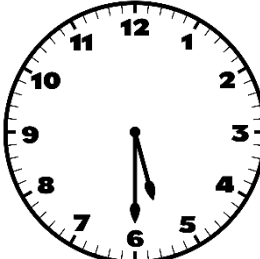


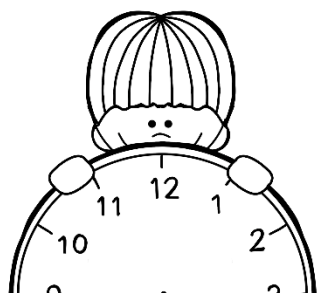
Underline the correct answer. Length is measured in:

milliliter gram meter liter kilogram centimeter

TIME

What is the time?



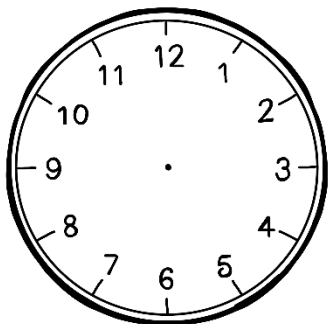
Match column A to column B by drawing a line with a ruler



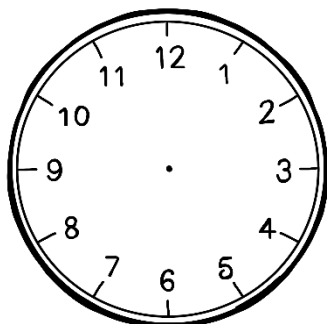
Column A	Column B
15 minutes	week
60 minutes	half an hour
30 minutes	year
60 seconds	hour
24 hours	minute
12 months	1 day
7 days	quarter of an hour

TIME - Analogue

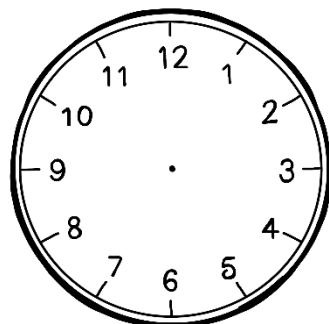
Draw the hour and minute hands of the following clocks.



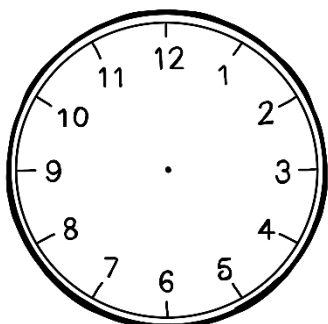
half past three



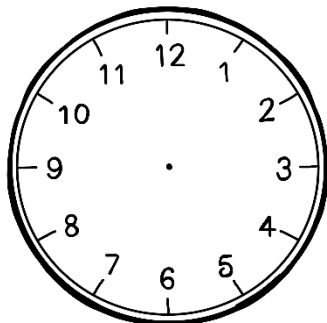
quarter past five



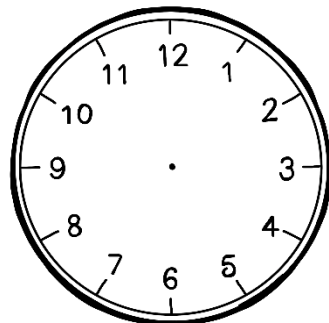
ten past eleven



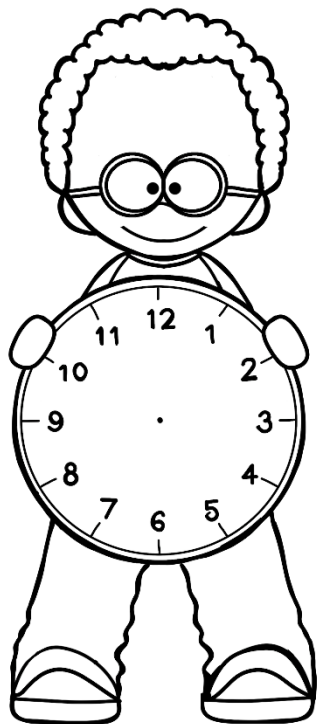
twelve o'clock



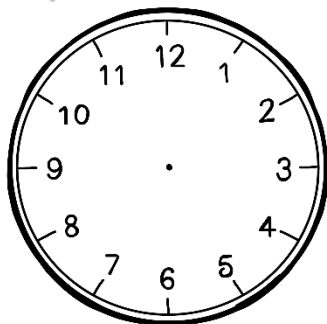
quarter to six



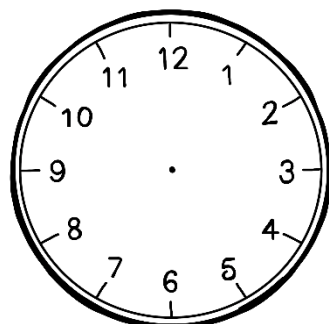
ten to three



ten past three



ten past six



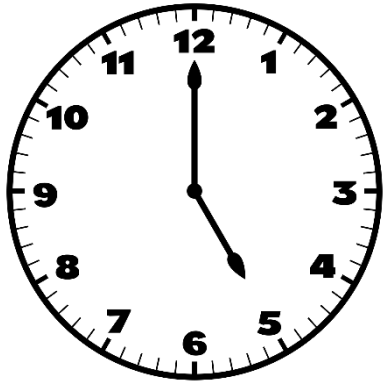
half past one



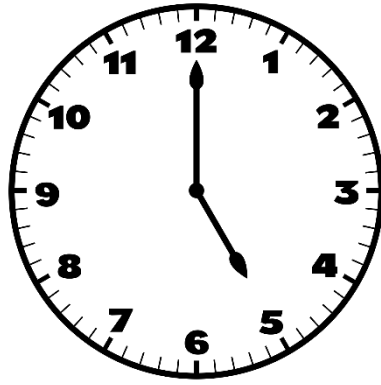
quarter past two

TIME – Elapsed time

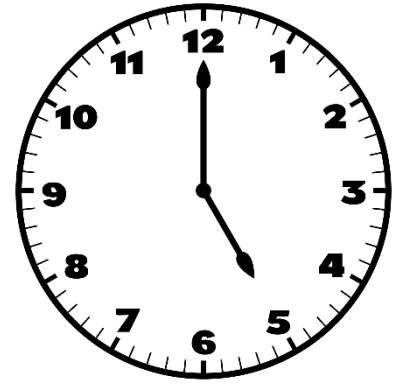
Use the clocks to indicate the elapsed time. Draw the new hour and minute hands with coloured pencils.



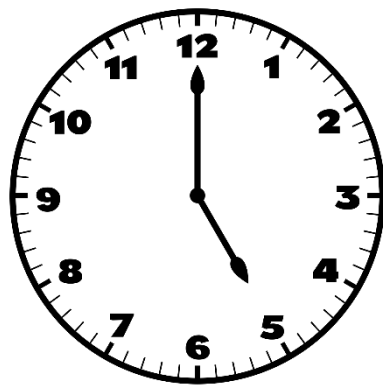
What time will it be in a quarter of an hour?



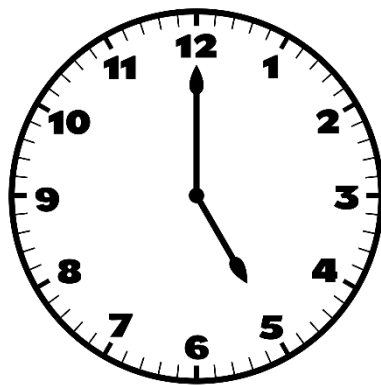
What time will it be in half an hour?



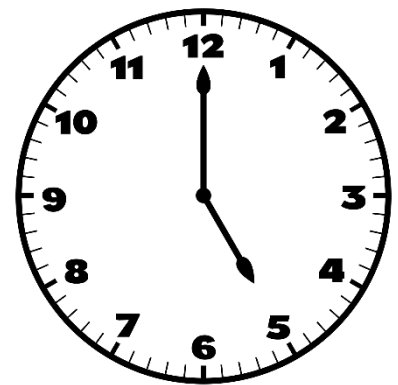
What time will it be in an hour?



What time will it be in 20 minutes?



What time will it be in 10 minutes?

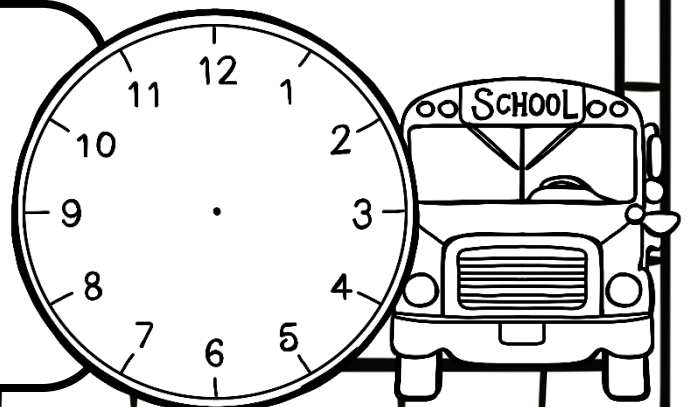


What time will it be in 50 minutes?

Jana got on the bus at 14:15. The bus ride takes 45 minutes.

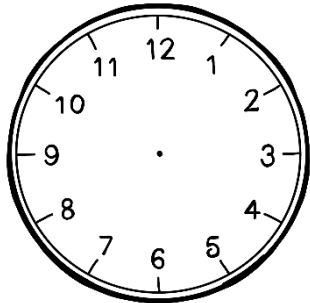
At what time will Jana be home?

Draw the time on the clock.



TIME

Read the digital time. Write the time in words, record the hands and colour whether it is before noon or afternoon.

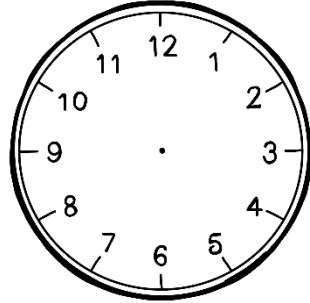


13:15

Time: _____

before noon

afternoon

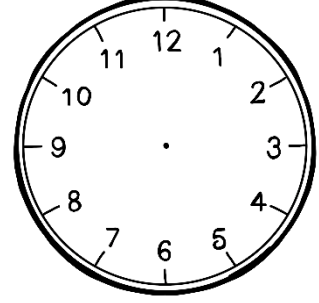


20:30

Time: _____

before noon

afternoon

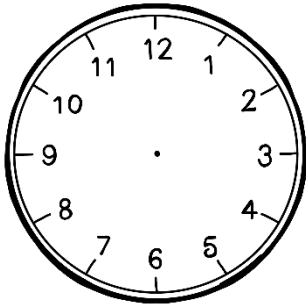


11:45

Time: _____

before noon

afternoon

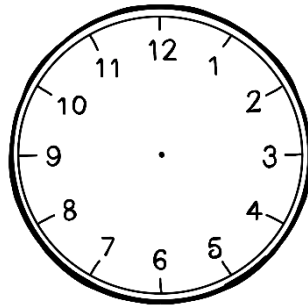


19:50

Time: _____

before noon

afternoon

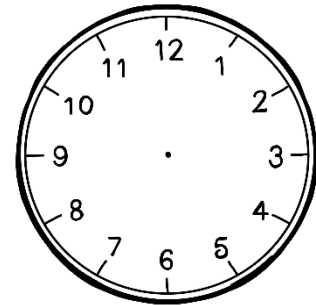


16:10

Time: _____

before noon

afternoon

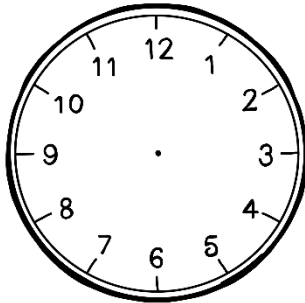


22:45

Time: _____

before noon

afternoon

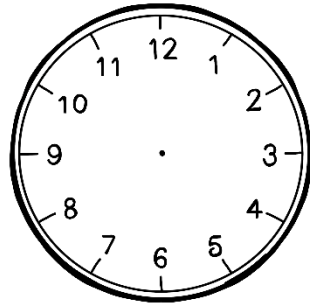


15:05

Time: _____

before noon

afternoon

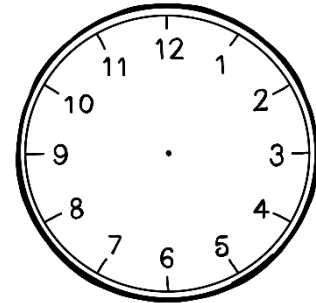


14:30

Time: _____

before noon

afternoon



18:35

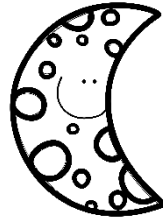
Time: _____

before noon

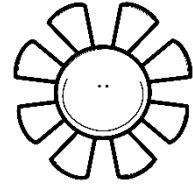
afternoon

TIME

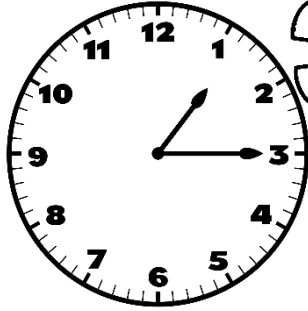
Write the analogue and digital time for the following.



before midday (pm)

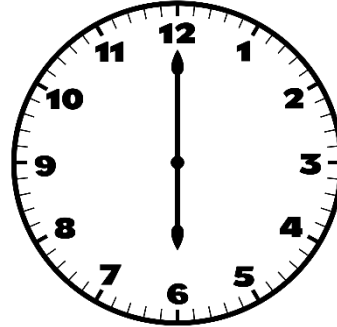


After midday (am)



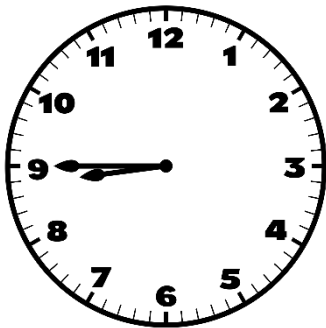
Analogue: _____

Digital: _____



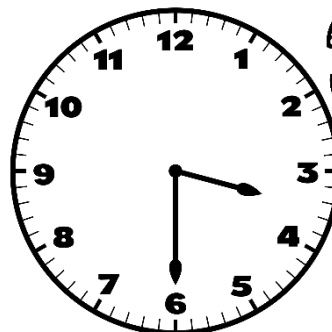
Analogue: _____

Digital: _____



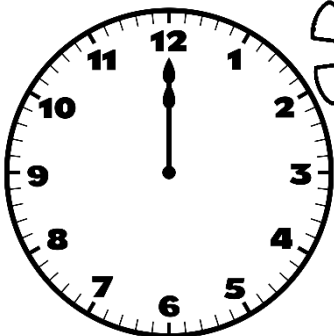
Analogue: _____

Digital: _____



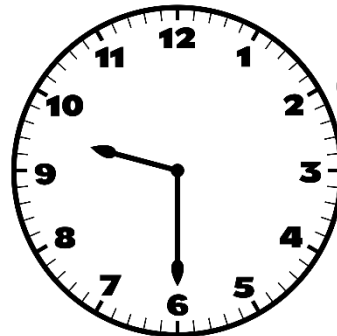
Analogue: _____

Digital: _____



Analogue: _____

Digital: _____



Analogue: _____

Digital: _____

Data Handling

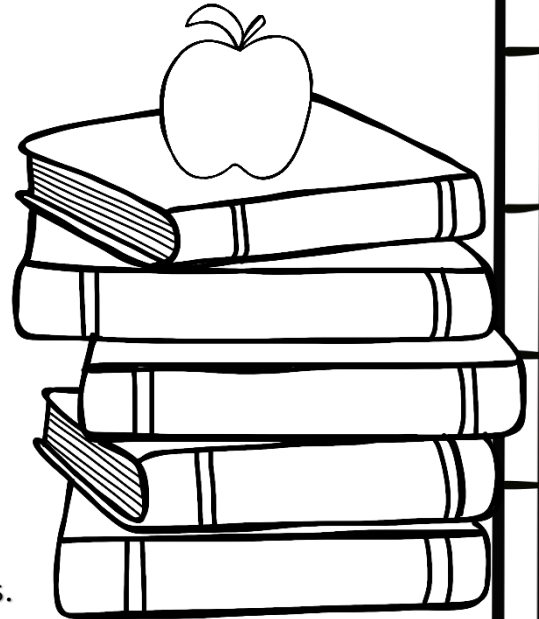
Use the given data to create a bar graph.

Mathematics |||| |||| ||||

Life skills |||| ||

English |||| |||| ||

Afrikaans |||| |||| ||| ||||



Instructions:

- Write a title for your graph.
- Label the columns according to the subjects.
- Organize the data by showing it on the graph.

Title:				
18				
17				
16				
15				
14				
13				
12				
11				
10				
9				
8				
7				
6				
5				
4				
3				
2				
1				
0				