

Year 6  
Remote  
Teaching  
Booklet 2

# Homework

Week: 2

## Reading

Write a script for an important scene of a book you are reading.

Draw a detailed map of the setting of a book you are reading.

## Writing

Write a procedure about how to measure your shadow.

Write an explanation about what happens when water boils.

## Measurement and Geometry

Calculate the area and perimeter of 3 different rooms in your home. Draw a scaled, labelled diagram of each room.

Create a timetable for all the important events in your day using 24-hour time. Write 5 word problems to accompany your timetable.

## Statistics and Probability

Observe and record the type and number of cars that drive past your home during a half hour period.

Create a graph of each family member's height (including yourself). Explain why the graph you have chosen is the most sensible choice.

## Language/Vocabulary

Choose a topic that interests you. Write a brief factual paragraph about this topic, then write a brief imaginative paragraph. List some differences that you notice between the two texts.

Write 10 interesting compound sentences (sentences which contains a subordinate clause). Underline the main clause in each sentence.

## Number and Algebra

During a weekly grocery shop, estimate the cost of all the items in your trolley. Check your estimate at the checkout.

Choose and list the price of 10 supermarket items. Round each price to the nearest dollar. Use the rounded price to calculate the total cost of the items.

## Earth and Space Sciences

Draw and label a diagram which demonstrates how the earth, sun and moon interact with each other.

## The Arts

Create a soundscape for a day at the beach. List the sounds you might hear and the instruments you would use to represent each sound.

Story starter!

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Brian had often bought things from the market that had turned out to be the most outrageous, disappointing fakes. He had presumed that the magic biscuits would have been exactly the same. How wrong he had been...



## Question time!

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- ▶ What had happened when Brian fed the biscuits to his dogs?
- ▶ How quickly did they grow to this size do you think?
- ▶ Did Brian give the biscuits to anything/anyone else?
- ▶ Have the creatures stopped growing?
- ▶ How will Brian keep them as pets?
- ▶ What are the benefits/problems with having such enormous pets?
- ▶ Is there a way for Brian to restore his animals to their original size?



Sentence challenge!

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Can you write use a colon to start a list? Remember to use commas to separate the items in your list! E.g. To feed his dogs every morning Brian needed: two enormous tractor tyres, a mountain of dog food, a gallon of water and a safe distance between himself and his overgrown chums.



Sick sentences!

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These sentences are 'sick' and need help to get better. Can you help?

- ▶ The dogs ate the biscuits.
- ▶ They started to grow really fast.
- ▶ Now they are big.
- ▶ They need to eat a lot of food.



Perfect picture!

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- ▶ Imagine Brian gave the biscuits to a different animal. Can you draw what they would look like before and after?



# The Moon

Do you ever look up in the sky at night and see the spherical Moon lighting up the night-time town? Do you sometimes ponder what it would be like to visit the Moon or wonder why it shines so bright? Well here's some facts and figures that might interest you...

## Moon and Sun:

The Moon shines extremely brightly but is only reflecting the rays of the Sun whilst it is round the other side of the Earth. The Moon cannot make its own light as it is not a star, like the Sun. When we rotate back towards the Sun for our daytime we assume the Moon goes away but it doesn't, it's just harder to see because it is so bright. Sometimes, if you look carefully, you can see the Moon in the sky during the daytime.



## Did you know?

Average surface temperature in the day: 107°C

Average surface temperature at night: -153°C

Distance from Earth: 238,857 miles

Diameter: 2,160 miles

Length of Day: 708 hours

Selenophobia is fear of The Moon

## Orbit:

The Moon is the Earth's only satellite (an object that orbits a larger object). It takes the Moon approximately 28 days to orbit the Earth once, this is referred to as a lunar month. During this time we only ever see the same side of the Moon as it rotates slowly whilst it moves around us. The Moon is not quite spherical and is slightly heavier on one side, so gravity keeps the heavier side facing us.

During its orbit the Moon is sometimes covered by a shadow of the Earth, this is what gives us the phases of the Moon, when it is waxing and waning with.

## Moonwalking:

Only 12 people have ever walked on the Moon! The first person to do this was Neil Armstrong on 20th July 1969. There were two other astronauts on the mission: Buzz Aldrin and Michael Collins who travelled on the Apollo 11 shuttle.

You may have seen footage of astronauts walking on the moon and you will notice it looks bouncy. This is because the Moon's gravity is only that of 1 sixth of the Earth's so people take longer to return to the surface when they are up in the air.

Photo courtesy of (shahbsharat, Aurel\_\_\_@flickr.com) - granted under creative commons licence - attribution



# Questions About The Moon

1. Who was the second man to walk on the Moon? How do you think he felt?

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2. How does the moon look like it lights up when it doesn't?

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3. Explain how a satellite and an object work together?

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4. How much colder is the Moon at night than in the daytime?

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5. Why does the Moon have different shadows on it during its cycle?

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6. Why is the Moon warmer than Earth in the day and colder than Earth at night?

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7. People refer to the 'dark side of the Moon'. What do you think this means?

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8. What is the name of someone who has a fear of the Moon?

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9. How far did Neil Armstrong travel to get to the Moon and back?

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10. Work out how long it would take a car travelling at 70mph to get to the Moon.

a: In hours

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b: In days

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# Correcting Spelling Mistakes 3

The spelling mistakes in these sentences have been circled. Write the correct spelling for each circled word in the box.

1. I won a trophy at the art(competitishon).
2. She(apologised)for upsetting her friend.
3. Use your(sissers)to cut out the picture.
4. My little sister can be very(norty).
5. My teacher(help)me to solve the problem.
6. My(neighbour)looks after my dog when I am away.
7. He is a(genuin)and honest person.
8. The(awdiense)cheered loudly at the end of the performance.


Each sentence has one word that is incorrect. Write the correct spelling of the word in the box.

1. He rudely interupted the politician's speech.
2. He proudly pinned the medal on his friend's uniform.
3. The tall women went to visit her aunt in hospital.
4. We kept our old possessions down in the celler.
5. Many special events such as Valentines Day fall in Febuary.
6. On the anniversery of the great battle, many people paid their respects.
7. What she did was totaly unforgivable.
8. Alltogether, there were twenty people on the soccer team.


# Dictionary Skills

## Task one

Below is a list of incorrectly spelt words. You need to use a dictionary to correct the spellings.

1. attractive \_\_\_\_\_
2. teecher \_\_\_\_\_
3. stewdant \_\_\_\_\_
4. beutiful \_\_\_\_\_
5. undagrownd \_\_\_\_\_
6. unyusuwal \_\_\_\_\_
7. elektrisitie \_\_\_\_\_

## Task two

Now you have corrected the words, write down the page number the word was on and the dictionary definition of each word. Fill in the table.

Word	Page number	Definition

### Task Three

Put these lists into alphabetical order.

#### List One

rugby  
football  
hockey  
tennis  
swimming

#### List Two

dog  
digger  
dance  
duck  
diet

#### List Three

caterpillar  
car  
cat  
cabbage  
cabin

#### List One

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_

#### List Two

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_

#### List Three

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_

### Task Four

Some words have very similar meanings. You can use a dictionary to discover how they are different.

Look up the words below in a dictionary and write down what is slightly different about them.

1. hill peak mountain fell
2. street path lane road
3. horror fright terror fear

Write the meaning below.

1. hill    peak    mountain    fell

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2. street    path    lane    road

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3. horror    fright    terror    fear

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### Task five

A dictionary tells you what type of word you have looked up. It tells you whether it is a noun, adjective, verb etc.

Look up the words below and write what kind of word they are.

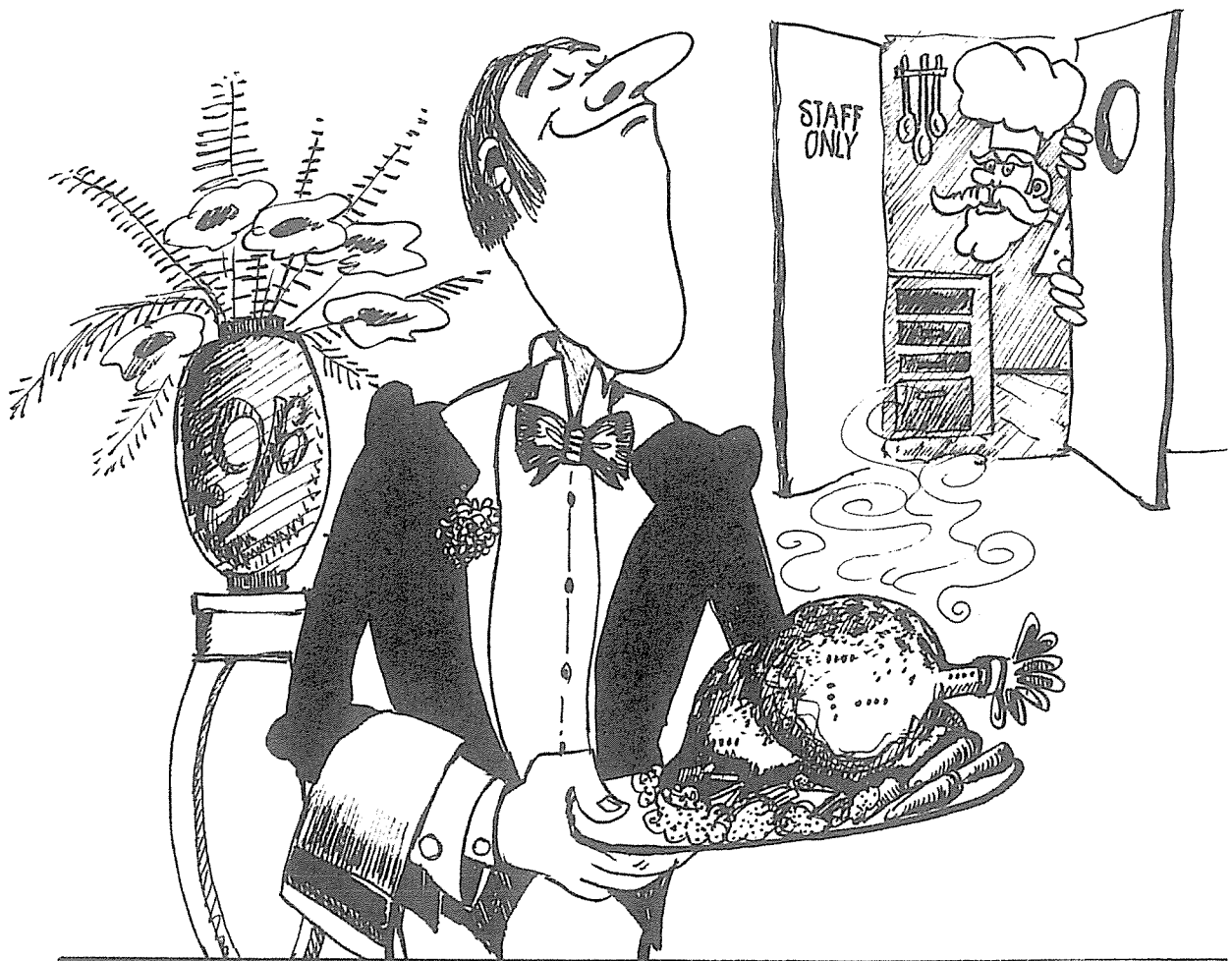
lorry \_\_\_\_\_

heavy \_\_\_\_\_

slowly \_\_\_\_\_

monkey \_\_\_\_\_

bear \_\_\_\_\_  
tall \_\_\_\_\_  
flat \_\_\_\_\_  
quickly \_\_\_\_\_  
awkwardly \_\_\_\_\_



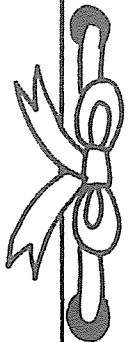
## OCTOPOEMS

Describe a person or topic through this eight line formula. Diversity of thought guaranteed!!

- |                               |                         |
|-------------------------------|-------------------------|
| 1 <u>Topic is a colour.</u>   | (eg.) A chef is white.  |
| 2 <u>a season</u>             | He is the spring time   |
| 3 <u>a place</u>              | in a kitchen            |
| 4 <u>a type of weather</u>    | He is sunny             |
| 5 <u>a type of clothing</u>   | A chef is an apron      |
| 6 <u>a piece of furniture</u> | a tall kitchen stool.   |
| 7 <u>a T.V. Show</u>          | he is a T.V. advert,    |
| 8 <u>a type of food.</u>      | A crispy roast chicken! |

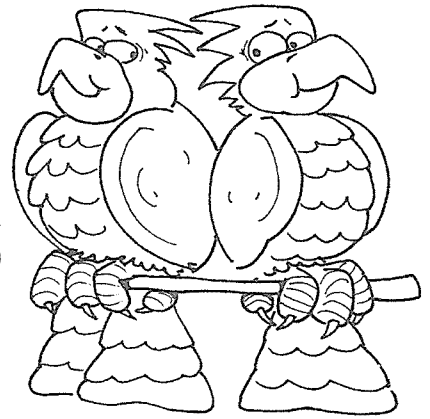
try these: \* . \* . \* .

a policeman, a witch, a dinosaur,  
an astronaut, a dragon, a fireman.





# Famous Pairs



S	I	X	E	S	N	O	O	D	K	C	A	T	E	F	A	S
A	R	M	C	I	R	E	A	L	S	U	G	O	R	R	A	W
U	P	O	T	A	K	E	N	N	A	I	L	I	E	T	G	I
C	S	O	U	R	C	E	A	T	F	E	C	D	H	Y	A	M
E	N	S	U	R	E	R	L	F	Y	S	N	G	B	E	I	C
O	E	R	I	R	P	M	U	S	E	U	I	S	N	L	N	R
E	G	N	E	C	K	T	R	L	E	N	K	D	E	L	E	I
T	A	H	N	B	S	L	D	T	F	C	S	E	I	A	R	S
I	T	I	A	R	T	E	S	A	O	U	R	H	L	Z	E	R
N	K	C	A	S	E	C	S	S	T	U	F	L	M	K	A	E
S	O	G	E	N	L	A	B	E	L	C	S	T	I	C	L	B
N	U	E	P	A	I	Q	I	U	H	N	X	S	S	A	L	B
S	C	I	L	L	S	D	Z	A	A	O	O	A	S	J	Y	O
C	H	I	P	S	A	S	P	P	S	U	G	O	W	E	A	R
C	D	A	E	D	R	I	E	D	L	O	R	T	K	L	I	M

Find the missing word of these pairs.

1. pins and needles ✓
2. pots and pans ✓
3. day and \_\_\_\_\_
4. pie and \_\_\_\_\_
5. fish and \_\_\_\_\_
6. cops and \_\_\_\_\_
7. give and \_\_\_\_\_
8. neck and \_\_\_\_\_
9. rod and \_\_\_\_\_
10. Cain and \_\_\_\_\_
11. tooth and \_\_\_\_\_
12. sink or \_\_\_\_\_
13. do or \_\_\_\_\_
14. hit or \_\_\_\_\_
15. again and \_\_\_\_\_
16. here and \_\_\_\_\_
17. shoes and \_\_\_\_\_
18. \_\_\_\_\_ and spice
19. \_\_\_\_\_ and truly
20. \_\_\_\_\_ and Jill
21. \_\_\_\_\_ and sevens
22. \_\_\_\_\_ and eggs
23. tea and \_\_\_\_\_
24. slow but \_\_\_\_\_
25. odds and \_\_\_\_\_
26. \_\_\_\_\_ and honey
27. \_\_\_\_\_ and nonsense
28. \_\_\_\_\_ and by
29. \_\_\_\_\_ and tear
30. \_\_\_\_\_ and bone
31. cut and \_\_\_\_\_
32. body and \_\_\_\_\_
33. \_\_\_\_\_ or alive
34. \_\_\_\_\_ and sound

# 100 POINTS of Family Fun

@rahbowls&creations

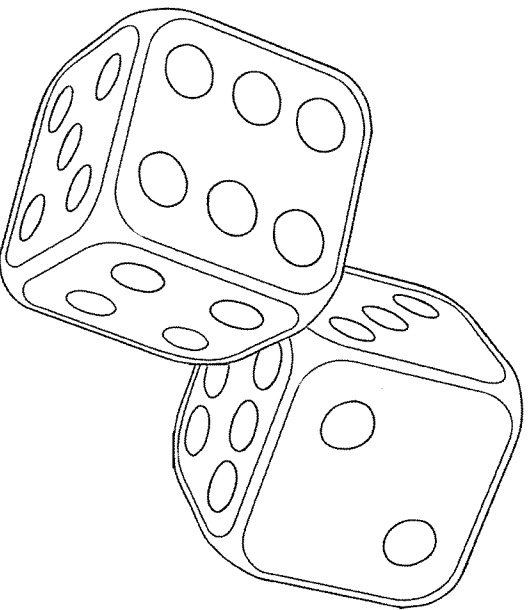
YOUR CHALLENGE IS TO SCORE A TOTAL OF 100 OR MORE POINTS

5 POINTS	5 POINTS	10 POINTS	10 POINTS	20 POINTS	20 POINTS	20 POINTS	30 POINTS
Help clean up the kitchen after dinner.	Help prepare a family meal.	Read for 15 mins on your own.	Have a paper airplane contest.	Play a family board game.	Read a chapter book with an adult for half an hour	Create a quiz game for your family to play. Have an answer key.	
Come up with 3 jokes to share with your family.	Offer to make a drink for someone in your family.	Teach someone in your family how to do something.	Go outside and watch the clouds for 15 minutes with an adult.	Cook a treat with an adult that you and your family can enjoy.	Write a letter or make a card for someone in a local nursing home.	Spend a whole day without any screens or technology.	
Share memories of a favourite holiday or event over a meal.	Spend time with your family sharing 2 things you are grateful for.	Write a special note for someone in your family explaining why you love them (secretly leave it for them to find).	Capture 3 moments of family fun on a camera. Print them out and put them somewhere where you can see them.	Build a cubby house with an adult in your family.	Create a jar of compliments for someone in your family. Give it to them at a time you think they need it.	Create a gratitude tree on your fridge where each family member can record something, they are grateful for on a sticky note each day.	
Play hide and seek inside the house.	Put a family favourite song on really loud and dance together.	Plan a family picnic to have in your front or backyard.	Play a game of cards with someone in your family.	Help fold and put away the washing.	Read a book of your choice and write a book review.	Open a 'family restaurant' where kids decide on the menu, help cook the food and clean up!	
Have a starting contest with someone who lives with you.	Watch a movie as a family.	Take up a secret handshake with someone who lives with you. Practise it so you get really good at it.	Build something with a family member: Use a cardboard box, LEGOs, blocks, craft materials etc.	Create a kindness flyer to pin up somewhere in your local community.	Take your bed 4 days in a row.	Clean out your cupboard and prepare a bag of clothes or toys to donate to charity.	

# Multiplication Dice Game

## How to play:

1. Roll the dice.
2. Multiply the number by two and remember the answer.
3. Roll 1 die again and take away the number from your answer. If the final answer is below 0, then re-roll the two dice.
4. Colour your answer on the grid.
5. The first person to colour five in a row wins!



2	3	30	6	21	12	26	5
20	8	15	20	22	19	4	27
33	8	16	10	34	1	28	25
15	26	11	29	24	7	24	12
18	7	23	1	17	4	13	28
5	35	13	19	6	32	14	23
2	25	17	31	21	27	22	29
16	10	9	14	11	18	3	9

Name \_\_\_\_\_

Date \_\_\_\_\_

## Mixed Operations Word Problems - Time

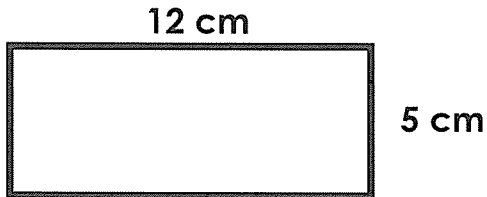
- ① Lucianne and Vivian both swam the 500 metre freestyle at the swimming carnival. Lucianne swam 100 metres every 15 seconds and Vivian swam 50 metres every 10 seconds.
- a) What was Lucianne's race time?
  
  
  
  
  
  
  
  
  
  
  - b) What was Vivian's race time?
  
  
  
  
  
  
  
  
  
  
  - c) Who was the faster swimmer?
- 
- ② Joel has purchased a movie and is downloading it onto his computer. The movie uses 850 megabytes.
- a) How long in minutes will the download take, if it is downloading 10 megabytes every 5 seconds?
  
  
  
  
  
  
  
  
  
  
  - b) How long will it take if Joel wants to download the sequel to the movie which is 800 megabytes?



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

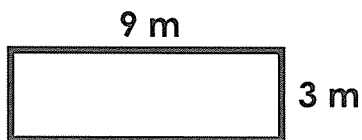
## Area and Perimeter of Rectangles

Find the area and perimeter of each rectangle.



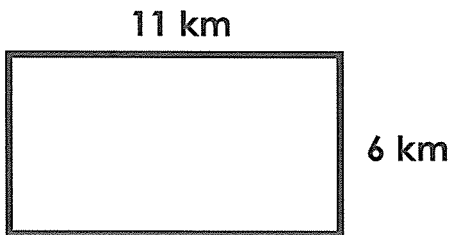
perimeter = \_\_\_\_\_

area = \_\_\_\_\_



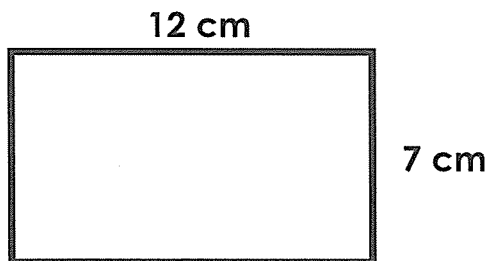
perimeter = \_\_\_\_\_

area = \_\_\_\_\_



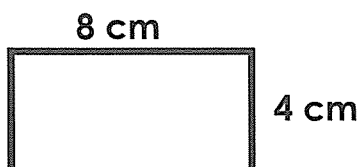
perimeter = \_\_\_\_\_

area = \_\_\_\_\_



perimeter = \_\_\_\_\_

area = \_\_\_\_\_

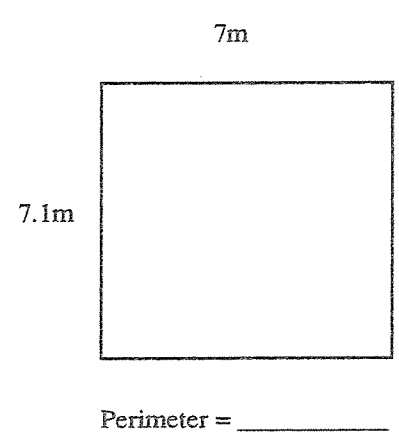
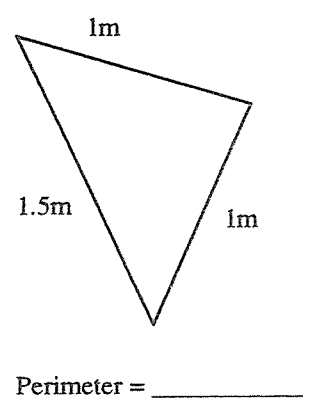
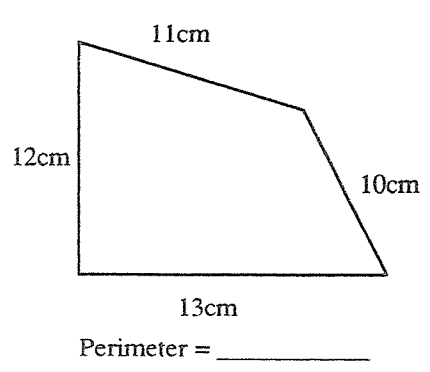
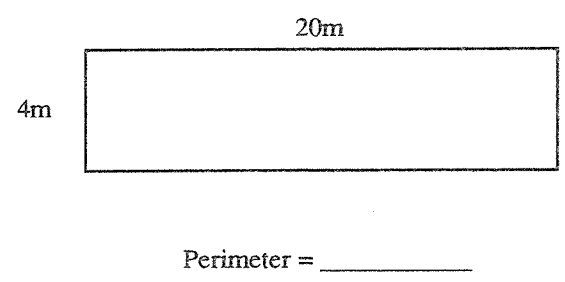
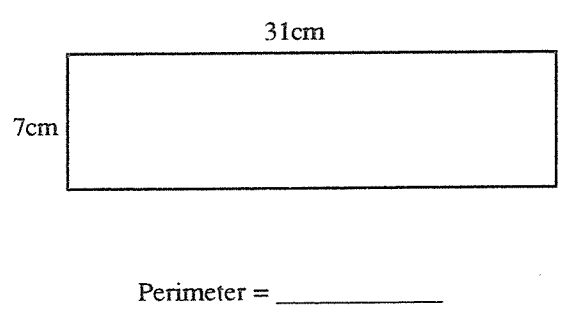
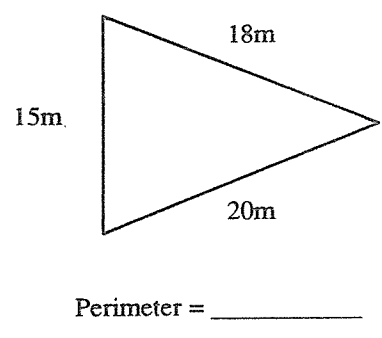
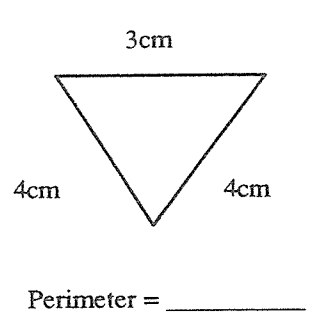
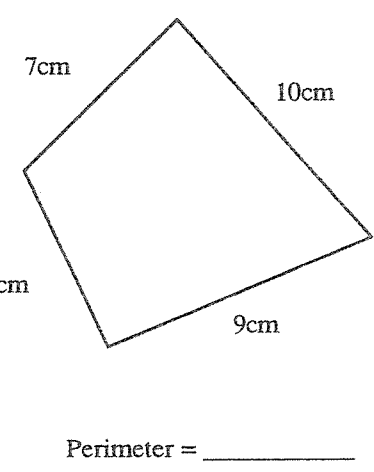
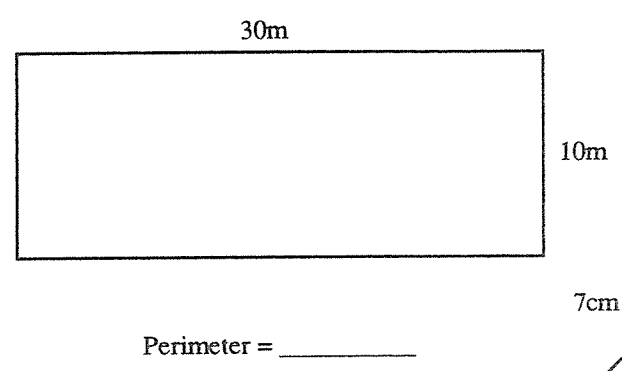
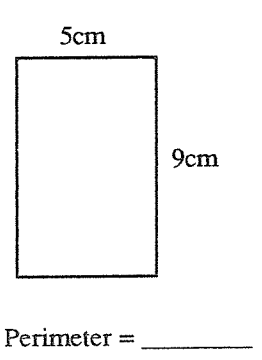
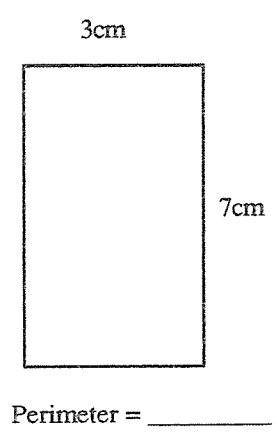
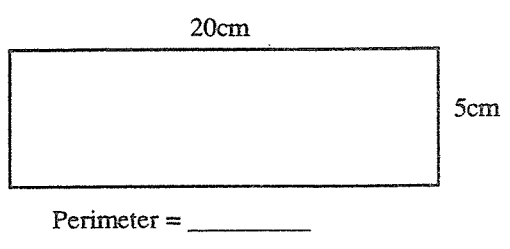
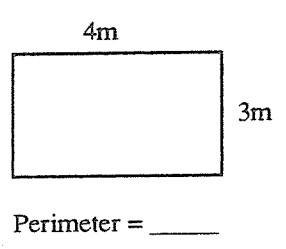


perimeter = \_\_\_\_\_

area = \_\_\_\_\_

TOPIC

PERIMETER OF POLYGONS





## MEASUREMENT

Find the volume of rectangular prisms with the following dimensions. (L = length, W = width, H = height)

- L 2 cm, W 1 cm, H 1 cm \_\_\_\_\_  $\text{cm}^3$
- L 5 cm, W 2 cm, H 1 cm \_\_\_\_\_  $\text{cm}^3$
- L 10 cm, W 2 cm, H 2 cm \_\_\_\_\_  $\text{cm}^3$
- L 4 cm, W 2 cm, H 2 cm \_\_\_\_\_  $\text{cm}^3$
- L 10 cm, W 5 cm, H 2 cm \_\_\_\_\_  $\text{cm}^3$

Approximately how many pieces of each type of fruit would you get to the kilogram if the following were the average masses:

- banana 125 g \_\_\_\_\_
- orange 200 g \_\_\_\_\_
- apple 110 g \_\_\_\_\_
- lemon 135 g \_\_\_\_\_
- grape 10 g \_\_\_\_\_



## SPACE

Name the solid geometric shape of:

- a can of soft drink \_\_\_\_\_
- a die \_\_\_\_\_
- a shoe box \_\_\_\_\_
- an ice-cream cone \_\_\_\_\_
- a netball \_\_\_\_\_

Draw the shape of the top view of each solid.

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

## Working Mathematically



An express train that travels at 85 km/h average speed leaves Sydney for Port Macquarie at exactly the same time as a freight train that travels at 40 km/h average speed leaves Port Macquarie for Sydney. If both trains are the same length, which one will be farther from Sydney when they meet and are exactly adjacent?

**See** What is the question asking?

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**Plan** What strategy will you use? (Be organised.)

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**Do** Working

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**Check** Does your answer solve the problem?

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## EVALUATION



Number

Set 1

Set 2

Measurement

Space

Things I liked \_\_\_\_\_

Things I found difficult were \_\_\_\_\_

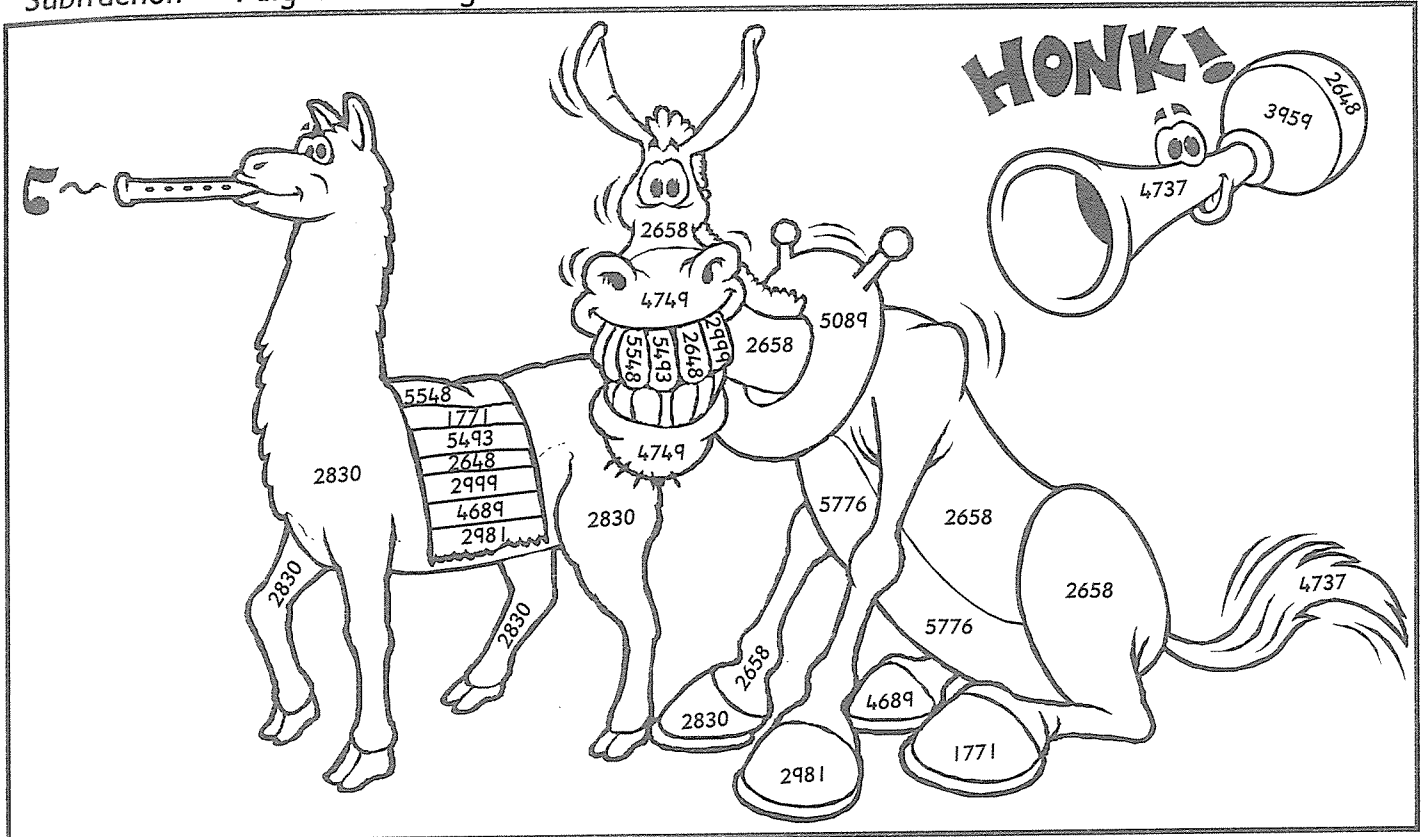


Name: \_\_\_\_\_

Write 6 sums  
of your own  
for your friend.

ON THE  
BACK

Subtraction ~ 4 digits ~ Trading



Look for the numbers more than once and colour the picture.

<p>blue</p> $\begin{array}{r} 7696 \\ - 2607 \\ \hline \\ \hline \end{array}$	<p>green</p> $\begin{array}{r} 9057 \\ - 3564 \\ \hline \\ \hline \end{array}$	<p>red</p> $\begin{array}{r} 9000 \\ - 3452 \\ \hline \\ \hline \end{array}$	<p>yellow</p> $\begin{array}{r} 5210 \\ - 3439 \\ \hline \\ \hline \end{array}$	<p>purple</p> $\begin{array}{r} 7380 \\ - 4732 \\ \hline \\ \hline \end{array}$
<p>pink</p> $\begin{array}{r} 6166 \\ - 3167 \\ \hline \\ \hline \end{array}$	<p>orange</p> $\begin{array}{r} 8310 \\ - 3621 \\ \hline \\ \hline \end{array}$	<p>black</p> $\begin{array}{r} 4228 \\ - 1247 \\ \hline \\ \hline \end{array}$	<p>brown</p> $\begin{array}{r} 5719 \\ - 2889 \\ \hline \\ \hline \end{array}$	<p>rainbow</p> $\begin{array}{r} 6950 \\ - 2991 \\ \hline \\ \hline \end{array}$
<p>red</p> $\begin{array}{r} 8553 \\ - 2777 \\ \hline \\ \hline \end{array}$	<p>yellow</p> $\begin{array}{r} 6234 \\ - 3576 \\ \hline \\ \hline \end{array}$	<p>blue</p> $\begin{array}{r} 6200 \\ - 3552 \\ \hline \\ \hline \end{array}$	<p>green</p> $\begin{array}{r} 8702 \\ - 3953 \\ \hline \\ \hline \end{array}$	<p>orange</p> $\begin{array}{r} 7403 \\ - 2666 \\ \hline \\ \hline \end{array}$

# Pirate Themed Subtraction Facts up to 100 Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

Black = 10 - 30

Brown = 31 - 60

Grey = 61 - 99

		99 - 7	69 - 2	85 - 4				
		66 - 5		75 - 10				
		84 - 6		96 - 7				
				85 - 2				
				90 - 20				
			75 - 10	99 - 30	76 - 5			
		93 - 40	45 - 3	61 - 8	55 - 4	85 - 40		
		45 - 2	52 - 20	36 - 4	87 - 30	62 - 3		
		54 - 4	99 - 50	90 - 30	80 - 40	56 - 6		
		33 - 7	55 - 40	92 - 70	25 - 4	36 - 8		

**Extra Challenge:** When I subtract 2 from an odd number, I always get an even number. Is this true? Prove it?

