



Marlborough Primary Academy

Home Learning
Class 5/6D

Week beginning
11/5/2020



5-a-day

- 1) TTRockstars - 30 minutes
- 2) Morning maths
- 3) Independent Reading - 30 minutes
- 4) Spelling - 20 minutes
- 5) P.E. - Joe Wicks workout

English



Look carefully at the picture and then answer the questions.

Work in your exercise book or complete the Purple Mash 2do 2do

Maths

Simplifying Fractions

- 1) Follow the links (Week 3 lesson 1) and watch the videos
- 2) Follow the link to try the interactive activities. Try the worksheet - 1*, 2* or 3* (or all of them!) Need a challenge try this worksheet.
- 3) Check your solutions with an adult using the answers.

[Video1](#)
[Video2](#)

[Activity](#)

[Worksheet](#)

Science

Design and make a boat - who can design the boat which can carry the most marbles. You could use paper covered with wax crayons or tin foil.

Share a video or photo on Portfolio to prove your boat is the best.

If you need an extra task you could try... Fantastic fruits - collect some fruits - what do they look like inside? Draw what you observe.

Morning maths – Monday 11/5/20

$$715 \times 46$$

$$\begin{array}{r} 715 \\ \times 46 \\ \hline \end{array}$$

Find $\frac{3}{7}$ of 1393

Hint - \div by bottom, \times by top

What is 75% of 640?

$$3621 \div 5$$

1) as remainder

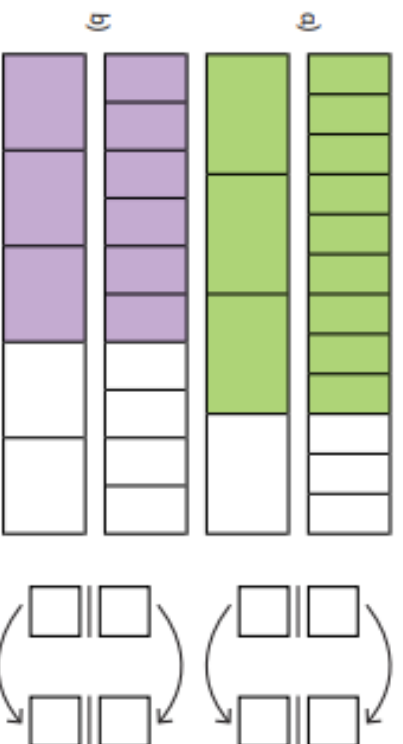
2) as decimal

Hint – 50% = $\frac{1}{2}$ 25% = $\frac{1}{4}$

3) as fraction



1) Use the bar models to help you simplify the fractions.



2) Join pairs of equivalent fractions.

$\frac{4}{5}$	$\frac{2}{3}$	$\frac{1}{6}$	$\frac{3}{7}$
---------------	---------------	---------------	---------------

$\frac{20}{25}$	$\frac{4}{24}$	$\frac{27}{63}$	$\frac{10}{15}$
-----------------	----------------	-----------------	-----------------



$\frac{30}{36}$

in its simplest form is

$\frac{10}{12}$

1) Is this statement correct? Explain your answer.

2) Marlon is blowing bubbles in the park.

- 8 bubbles landed on the grass.
- 10 bubbles floated away.
- 6 bubbles popped straight away.



The fraction of bubbles that floated away is $\frac{5}{12}$ in its simplest form.

Is Marlon correct? Explain your answer.



1) I'm thinking of a fraction.

- The denominator is a multiple of 30.
- The denominator is less than 1000.
- The fraction simplifies to $\frac{3}{8}$.

What could my fraction be? Find all the possibilities.

2) Using any of the numbers in the bubbles, explore how many fractions you can make that cannot be simplified. Find all the possibilities. Can you explain any patterns you notice?



The Log Cabin



Look carefully at the picture and then answer these question.

The Log Cabin – Follow-Up Work

Where in the world could this be? What clues are there to suggest this?

How many pairs of eyes can you see peering out of the forest?

Who might these eyes belong to?

What time of the year do you think this is? What clues are there to suggest this?

How many people live here? Why do you think this?

How do you think the cabin is kept warm? What makes you think this?

Look at the footprints leading up to the cabin. What do you think that person has been doing and why?

What sort of person might live in a place like this? Explain your answer with reference to the environment and living conditions.

How might people travel around in conditions like these? Look for clues in the picture.

Identify some ways in which the stream could be useful to the inhabitant of the cabin?

Identify ONE question you would like to ask about this scene.

Describe the cabin in your own words. Would you like to live there? Why/why not?



5-a-day

- 1) TTRockstars - 30 minutes
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English

Vocabulary definition

Look carefully at the words and use a dictionary or the internet to find definitions - remember to tell me the word class of each word - noun, verb, adjective, adverb

Maths

Compare and order fractions

- 1) Follow the link, to the task - Week 3 lesson 2
Also watch the BBC materials
- 2) Play the card game if you can - there's a set of cards in this pack - print if you can.
Try the worksheets - pages 1 and 3 are enough
- 3) Check your solutions with an adult using the answers.

[Task](#)
[BBC](#)

[Worksheet](#)













Science

Endangered species

Many species of animals in the world are currently endangered of extinction - they may be wiped out completely.

One of the most famous examples of 'Species Extinction' is the dodo. Draw me a poster showing what caused the extinction of the dodo

If you need an extra task you could try... home rainbow treasure hunt. Collect things from around your house and garden to create a rainbow collage.

		$\frac{7}{10}$		Three quarters	
					Three fifths
$\frac{35}{50}$			Six eights		$\frac{65}{100}$

Morning maths - Tuesday 12/5/20

$$62.5 - 24.62$$

$$524 + 97.6$$

$$\begin{array}{r} 524 \\ + 97.6 \\ \hline \\ \hline \end{array}$$

$$750 \div 100$$

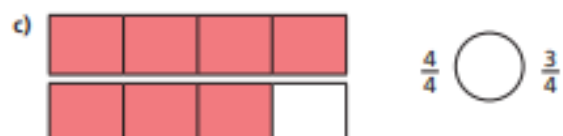
5/9 of a number is 65
What is the number?

Hint – use a place value grid

Compare and order (denominator)

- 1 Write $<$, $>$ or $=$ to compare the fractions.

Use the bar models to help you.



- f) What do you notice about your answers?

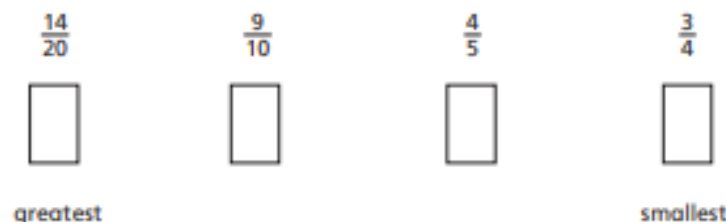
- g) Complete the sentence.

When the denominators are the same, the _____
the numerator, the _____ the fraction.

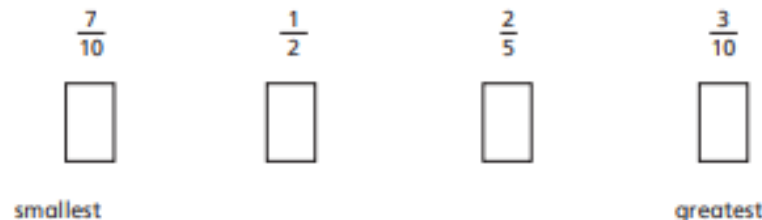
- 2 a) Colour the bar models to show the fractions.



- b) Use the bar models to sort these fractions in order from greatest to smallest.



- c) Order the fractions from smallest to greatest.



Compare and order (numerator)

- 1 Use strips of paper to represent the fractions and complete the sentences.

a) $\frac{1}{3}$, $\frac{1}{5}$ and $\frac{1}{6}$

The smallest fraction is The greatest fraction is

b) $\frac{2}{3}$, $\frac{2}{5}$ and $\frac{2}{6}$

The smallest fraction is The greatest fraction is

c) $\frac{3}{3}$, $\frac{3}{5}$ and $\frac{3}{6}$

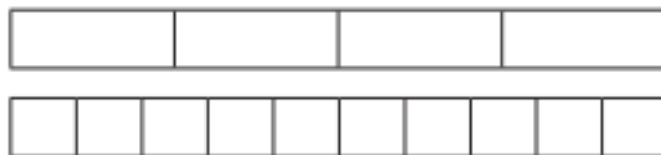
The smallest fraction is The greatest fraction is

- d) What do you notice about your answers?

- e) Complete the sentence.

When the _____ are the same, the _____
the denominator, the _____ the fraction.

- 2 a) Colour the bar models to compare $\frac{3}{4}$ and $\frac{6}{10}$



- b) Write <, > or = to complete the statement.



- 3 Which is the greatest fraction? Circle your answer.

$\frac{3}{100}$

$\frac{3}{1000}$

$\frac{3}{500}$

How do you know?

- 4 Write < or > to compare the fractions.

a) $\frac{1}{7}$ $\frac{1}{9}$

d) $\frac{11}{12}$ $\frac{11}{11}$

b) $\frac{4}{5}$ $\frac{4}{7}$

e) $\frac{19}{5}$ $\frac{19}{6}$

c) $\frac{3}{13}$ $\frac{3}{8}$

f) $\frac{107}{53}$ $\frac{107}{40}$

Write definitions of word meanings

Look through the vocabulary list of words which could be used to describe yesterday's English Picture - what do they mean? Use a dictionary (online word definition works too) to explain what they mean - make sure you use your own words not just copy. Can you tell me the word class - verb, noun, adjective, adverb too

caribou		indigenous	
deciduous		inhabitant	
environment		insulation	
evergreen		nocturnal	
extreme		predator	
hibernation		undergrowth	

Choose your favourite 4 words and write a sentence for each one - try to also use the fronted adverbial, expanded noun phrases and powerful verb skills we learned last week

Science - What caused the extinction of the dodo?



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Marlborough Primary Academy

Class
5/6D

Home
Learning

Wednesday
13/5/20

5-a-day

1) TTRockstars - 30 minutes

2) Morning maths

3) Independent Reading - 30 minutes

4) Spelling - 20 minutes

5) P.E. - Joe Wicks workout

English

Grammar and vocabulary

Work through the sample questions - make sure you are careful about what tense of verb you choose.

Maths

Add and subtract fractions

- 1) Follow the link, to the video Week 3 Lesson 3
- 2) Work through the interactive activities on the BBC website
- 3) Try the worksheet
- 4) Fancy a challenge try this sheet
- 3) Check your solutions with an adult using the answers.

[Task](#)

[Activities](#)

[Worksheet](#)

Science

Top 10 Endangered Animals

Can you find out the top ten animals on the endangered list? Create a poster or fact file to show the animals on the endangered list.

If you need an extra task you could try... make a paper snapper - the instructions are attached.

Morning maths – Wednesday 13/5/20

I think of a number, add 12 and then multiply my number by 7. My answer is 105 – what is my number?

Hint – try to undo (reverse) the problem

$$43 \overline{) 6278}$$

43 – 1
86 – 2
129 – 3
172 – 4
215 – 5
... - 6
... - 7
... - 8
... - 9
... - 10

What time is 3 hours and 57 minutes after 11 am?

£12.00 - £5.76

Hint – use a number line

Adding and Subtracting Fractions

PS Problem-solving questions

Challenge 1

PS 1 Complete these calculations. An example has been done for you.

Example: $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

a) $\frac{1}{2} + \frac{1}{2} =$

$\frac{1}{2} + \frac{1}{2} =$

b) $\frac{2}{3} + \frac{1}{3} =$

$\frac{2}{3} + \frac{1}{3} =$

2 Work out the answers to these calculations.

a) $\frac{5}{7} + \frac{1}{7} =$ b) $\frac{4}{12} + \frac{4}{12} =$ c) $\frac{1}{5} + \frac{2}{5} =$

3 Work out the answers to these calculations.

a) $\frac{7}{15} - \frac{3}{15} =$ b) $\frac{5}{12} - \frac{4}{12} =$ c) $\frac{12}{10} - \frac{3}{10} =$



2 marks

3 marks

3 marks

Marks...../8

Challenge 2

1 Complete these calculations. An example has been done for you.

Example: $\frac{1}{3} + \frac{1}{6} = \frac{3}{6}$

a) $\frac{1}{2} + \frac{1}{4} =$

$\frac{1}{2} + \frac{1}{4} =$

Adding and Subtracting Fractions

b) $\frac{1}{2} + \frac{1}{2} =$

$\frac{1}{2} + \frac{1}{2} =$

2 a) $\frac{2}{5} + \frac{3}{10} =$ b) $\frac{1}{4} + \frac{1}{2} =$ c) $\frac{1}{4} + \frac{3}{8} =$

3 a) $\frac{7}{10} - \frac{2}{5} =$ b) $\frac{10}{12} - \frac{1}{6} =$ c) $\frac{3}{4} - \frac{1}{2} =$

2 marks

3 marks

3 marks

Marks...../8

Challenge 3

1 Complete these calculations. An example has been done for you.

Example: $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$

a) $\frac{1}{2} + \frac{1}{2} =$

$\frac{1}{2} + \frac{1}{2} =$

b) $\frac{2}{3} - \frac{1}{3} =$

$\frac{2}{3} - \frac{1}{3} =$

2 a) $\frac{1}{6} + \frac{1}{4} =$ b) $\frac{3}{4} + \frac{1}{3} =$ c) $\frac{4}{7} + \frac{1}{3} =$

3 a) $\frac{7}{15} - \frac{1}{5} =$ b) $\frac{9}{12} - \frac{1}{3} =$ c) $\frac{7}{10} - \frac{1}{4} =$



2 marks

3 marks

3 marks

Marks...../8

Total marks/24

How am I doing?



The Log Cabin – Vocab 2

Tick the word that is closest in meaning to the word in *italics*.

- The word *abnormal* is closest in meaning to...

Tick one.

- usual ☐
- unusual ☐
- typical ☐
- wrong ☐

- The word *acquaintance* is closest in meaning to...

Tick one.

- stranger ☐
- visitor ☐
- acquire ☐
- friend ☐

- The word *coincidence* is closest in meaning to...

Tick one.

- planned ☐
- organised ☐
- chance ☐
- same ☐

- The word *deceive* is closest in meaning to...

Tick one.

- mislead ☐
- help ☐
- support ☐
- assist ☐

- The word *exterior* is closest in meaning to...

Tick one.

- exit ☐
- outside ☐
- leave ☐
- inside ☐

- The word *numerous* is closest in meaning to...

Tick one.

- few ☐
- numbers ☐
- calculations ☐
- many ☐

The Log Cabin – SPAG

Task A

Look at the words in the brackets. Underline the one which completes the sentence.

- By morning, the snow had (gone / go / went / going).
- The boy was lost because he had (take / took / taking / taken) a wrong turn.
- The fox was (left / leave / leaving / leaves) footprints in the snow.
- Yesterday, he (had / have / has / having) great fun sledging down the hill.

Task B

Underline the grammatical error in each sentence. Write the correct word on the line.

- The snow fell quick, covering the rooftops and gardens. _____
- The bright lights were twinkling and dances in the night sky. _____
- Lakes turning to ice as the temperature plummeted. _____
- The children wearing hats and gloves to protect themselves from the cold. _____
- There weren't no sledges left for the children to use. _____

Challenge

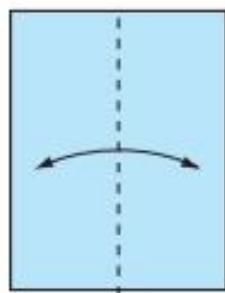
Add commas to these sentences.

- The snow had covered the roads houses trees and gardens.
- On the way home we decided to have a snowball fight.
- The squirrel in readiness for winter scurried about collecting nuts.
- The explorer talked to the reporters about cooking his family and his favourite pets.
- The snow which had fallen overnight covered the ground like a white blanket.
- 1000000 caribou live in the Arctic Circle according to a survey carried out in January 2016.

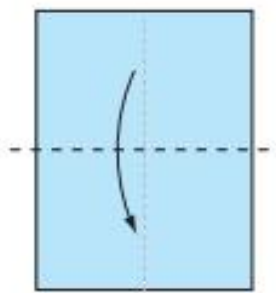


Origami Snapper Instructions

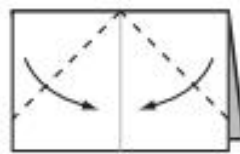
origami-fun
www.origami-fun.com



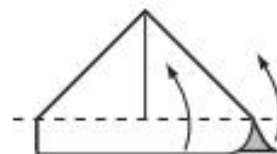
1. Start with a rectangular piece of paper, coloured side up. Fold in half, then open.



2. Fold in half downwards.



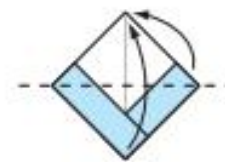
3. Bring corners in to centre line.



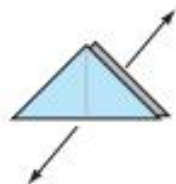
4. Fold uppermost layer upwards & do the same to the back. Crease well.



5. Pull the sides out and flatten.



6. Fold front layer up to top, then do the same at the back.



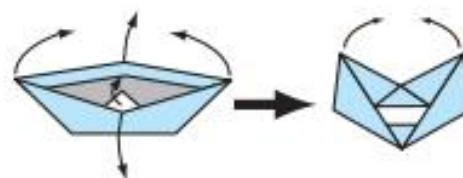
7. Pull the sides apart and flatten.



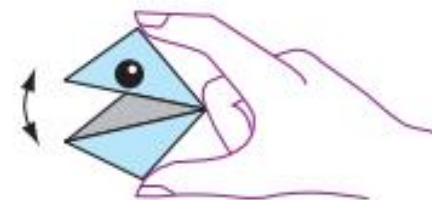
8. Gently pull the top parts of the model outwards, making a boat shape.



9. Flatten well.



10. Tuck the little centre triangle under one of the sides. Then bring the outside corners to meet together, letting the sides move outwards.



Finished Snapper. To make it snap, hold as shown and press together. It looks especially good with eyes!



5-a-day

- 1) TTRockstars - 30 minutes
- 2) Morning maths
- 3) Independent Reading - 30 minutes
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- 5) P.E. - Joe Wicks workout

English

Show it, don't say it!

Read through the prompt and then complete the task -
don't tell me what happened, describe it!

Maths

Mixed number addition and subtraction

- 1) Follow the link to today's video
- 2) Try the online activities using the interactive games.
Try the order of operations and brackets sheet
- 3) Check your solutions with an adult using the answers.

[Task](#)

[Activity](#)

[Worksheet](#)

Science

Which is your favourite animal from the endangered list. Find out as much about the species as you can. What factors are causing the animal to be at risk? What things need to change if the animal is to survive?

If you need an extra task you could try... what's inside a robot? Draw what you think the insides of a robot would look like - are there any special machines and devices hidden in there?

Morning maths – Thursday 14/5/20

$$954 \times 37$$

$$\begin{array}{r} 954 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 954 \\ \times 37 \\ \hline \\ \hline \end{array}$$

9% of a number is 135.
What is the number?

Hint: Find 1%. How many % = a whole?

$$3641 - 994$$

$$\begin{array}{r} 3641 \\ - 994 \\ \hline \end{array}$$

$$\begin{array}{r} 3641 \\ - 994 \\ \hline \\ \hline \end{array}$$

I had £10. I bought 4 bars of Choco-Choc chocolate. I was given £4.80 change. How much was each bar?

Adding Fractions

1. Fill in the symbols $>$, $<$ or $=$ to make the calculations correct.

$$\frac{9}{5} + \frac{12}{11} \quad \square \quad \frac{12}{5} + \frac{11}{11}$$

$$3\frac{2}{3} + 4\frac{4}{5} \quad \square \quad 5\frac{1}{3} + 1\frac{3}{5}$$

$$\frac{7}{6} + \frac{9}{4} \quad \square \quad 1\frac{5}{6} + 3\frac{3}{4}$$

2. Circle the number statement which will give the same answer as the calculation in the box below.

$$\frac{19}{12} + \frac{12}{8}$$

A. $1\frac{1}{6} + 1\frac{7}{8}$

B. $\frac{13}{12} + \frac{5}{4}$

C. $1\frac{3}{4} + 1\frac{4}{12}$

D. $\frac{2}{3} + \frac{14}{12}$

E. $1\frac{1}{2} + 1\frac{1}{12}$

F. $\frac{5}{4} + \frac{9}{6}$

3. Shanice and Robert have worked out the answer to the question below. Who is correct? Prove it.

$$\frac{12}{3} + \frac{15}{7}$$



I think the answer is

$$6\frac{3}{21}$$

Robert



I think the answer is

$$\frac{129}{21}$$

Shanice

Show it - don't say it!

It is really easy to say what a character is feeling but it's much better to describe how they act and what they do. This makes the reader use their imagination and become more involved in a story.

Say it	The boy felt sad when he lost his ball next door.
Show it	He kicked the ground in frustration, this was typical! He felt like stamping his feet and crying. He peered over the fence but there was no way he could get his ball back his day was ruined.



Say it
Tim glared angrily at his sister.

Show it
His hands bunched into fists at his hips as he took a deep breath. His brow knotted and his eyes seemed to bulge as he tried to hold the scream in. He was so angry he felt like he would burst and it was all her fault!

Try to do the same for the four pictures opposite.



He looked so guilty when he was caught.



She was really happy to see us.



He was terrified at what he saw.



He was really worried about getting there on time.

1. Pangolin



2. Sumatran Rhino



3. Sumatran Tiger



4. Vaquita



5. Saola



6. Sumatran Elephant



7. Orang-utan



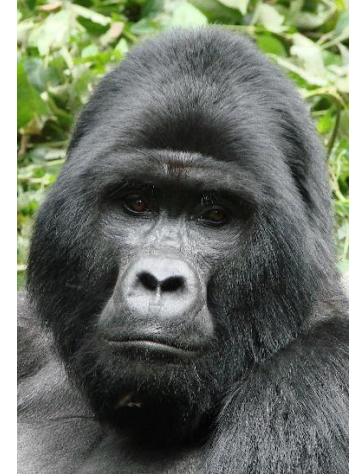
8. Sea Turtle



9. Amur Leopard



10. Mountain Gorilla



Endangered Animals - Top 10

Where does your animal live? What are the issues causing its extinction?
What things can change to help the animal survive? What can people do to help?



Marlborough Primary Academy

Class
5/6D

Home
Learning

Friday
15/5/20

5-a-day

- 1) TTRockstars - 30 minutes
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English



Friday - big write
Use the picture as a stimulus to continue writing the story - into your exercise book or log on to Purple Mash and complete the

Maths

Friday's problem solving challenge

Scroll down for today's challenges. How many of the problem solving challenges can you solve?

Art

Draw what the driver of your story could see in the blizzard. What was in front of the truck?

If you need an extra task you could try... design a creature who would live in the boot of your car - how has it adapted to live in it's environment?

Morning maths – Friday 15/5/20

I have white, pink and red marbles. 1 in 6 of my marbles is white, 2 in 6 are pink. 12 are red. How many marbles are white?
How many are pink?

What is $\frac{2}{3} + \frac{4}{5}$?

$$\frac{2}{3} + \frac{4}{5} = \underline{\hspace{2cm}}$$

Remember to turn an improper fraction into a mixed number.

What is $\frac{1}{6} \times 9$ by 9

$$\frac{1}{6} \times 9 = \underline{\hspace{2cm}}$$

Hint: whole number to fraction – t x t b x b

$$13 \overline{) 6851}$$

13 – 1
26 – 2
39 – 3
52 – 4
65 – 5
... - 6
... - 7
... - 8
... - 9
... - 10

Friday - big write - finish the story



The driver glared at the sight in front of him. He simply couldn't believe his eyes!

The blizzard continued to swirl all around them, making it even more difficult to steer. He knew he had to act quickly, or else it would be too late.

The distracting whirling and clanking of machinery all around him didn't help to settle his nerves, but he knew he had to wrestle control of his emotions: his next move was to be a defining one...

Remember to use as many of these as you can...

+ modal verbs

+ some of the Tuesday's adventurous vocabulary

+ adverbial phrases

+ amazing adjectives for descriptions

+ use embedded clauses to add information

Friday's Maths Challenges

Rows of coins



1. Take five coins: 1p, 2p, 5p, 10p, 20p.
Put them in a row using these clues.
The total of the first three coins is 27p.
The total of the last three coins is 31p.
The last coin is double the value of the first coin.

2. Take six coins: two 1p, two 2p and two 5p.
Put them in a row using these clues.
Between the two 1p coins there is one coin.
Between the two 2p coins there are two coins.
Between the two 5p coins there are three coins.

What if you take two 10p coins as well, and between them are four coins?

Dan the detective

1. Dan the detective looked for a number.
He found a two-digit number less than 50.
The sum of its digits was 12.
Their difference was 4.
What number did Dan find?

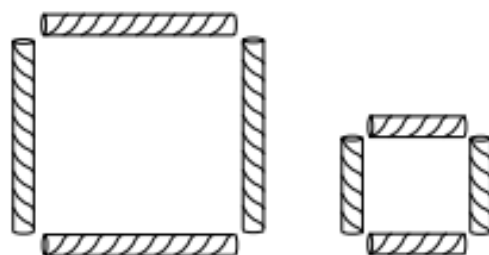


2. Dan found a two-digit odd number.
One of its digits was half the other.
The number was greater than 50.
What number did Dan find?

Square it up

You need six drinking straws each the same length.
Cut two of them in half.
You now have eight straws, four long and four short.

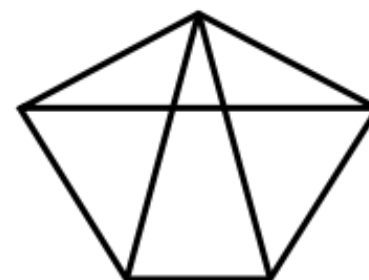
You can make 2 squares
from the eight straws.



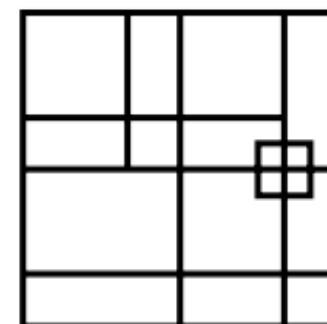
Arrange your eight straws to make 3 squares, all
the same size.

Spot the shapes 2

1. How many triangles
can you count?



2. How many squares
can you count?



3. Draw your own diagram to count triangles.
Don't use too many lines!
How many triangles can a friend find?
Can you find more?

This week's web-links

Monday Maths – input and activity	https://whiterosemaths.com/homelearning/year-6/ lesson 1 https://www.bbc.co.uk/bitesize/articles/zkkm6v4
Monday Maths worksheet	https://bam.files.bbc.co.uk/bam/live/content/zk8pscw/pdf#sa-link_location=blocks&intlink_from_url=https%3A%2F%2Fwww.bbc.co.uk%2Fbitesize%2Farticles%2Fzkkm6v4&intlink_ts=1588844304493-sa
Monday Maths Challenge	https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/05/Y6-Lesson-1-Simplify-fractions-2019.pdf
Tuesday Maths - input	https://whiterosemaths.com/homelearning/year-6/
Tuesday Maths worksheet	https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/05/Y6-Lesson-2-Compare-and-order-fractions.pdf
Wednesday Maths - input	https://whiterosemaths.com/homelearning/year-6/
Wednesday maths - activities	https://www.bbc.co.uk/bitesize/articles/z7ty382
Wednesday maths worksheet	https://bam.files.bbc.co.uk/bam/live/content/z6gwqp3/pdf#sa-link_location=blocks&intlink_from_url=https%3A%2F%2Fwww.bbc.co.uk%2Fbitesize%2Farticles%2Fz7ty382&intlink_ts=1588848639544-sa
Wednesday maths challenge	https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/05/Y6-Lesson-3-Add-and-subtract-fractions-2-2019.pdf
Thursday maths – input	https://whiterosemaths.com/homelearning/year-6/
Thursday maths worksheet	https://bam.files.bbc.co.uk/bam/live/content/zk92p/pdf#sa-link_location=blocks&intlink_from_url=https%3A%2F%2Fwww.bbc.co.uk%2Fbitesize%2Farticles%2Fzfp4kmn&intlink_ts=1588849703911-sa
Thursday maths activities	https://www.bbc.co.uk/bitesize/articles/zfp4kmn