















Dear Year 5 and 6.



Thank you so much to all of you for your continued hard work and thank you to those who have sent work in, I have absolutely loved reading through it all. I am thrilled with how hard you are all working. I am missing you all very much but hope you've all been enjoying your time at home.





This work pack is for the next three weeks and is mainly focused around our end of year cultural topic 'Australia'!





Remember to go on IDL and mathletics as much as possible and try to read everyday.

Here are some other ideas of activities you might also like to try out:





- Joe Wicks is streaming live PE sessions Monday to Friday on his YOUTUBE channel.
- Try https://family.gonoodle.com/ to keep active













- Cosmic kids for yoga and stretching activities
- Search 'peace out' for stories to help you sleep.



Please contact me at any point by email or by phone as I am always here to help. Enjoy and stay safe!



Mrs Stocks



rachael.stocks@swarland.northumberland.sch.uk



















twinkl.co.uk



















Year 5



Grammar

WB 1.6.20 possessive page 39



WB 8.6.20 relative clauses page 40



WB 15.6.20 conditional sentences page 41



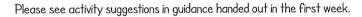


WB 1.6.20 year 5 spelling words - average, desperate, temperature, vegetable, frequently, equipment



WB 8.6.20 words ending in shul spelt -cial or -tial

WB 15.6.20 year 5 spelling words - bruise, nuisance, recognise, criticise





Maths

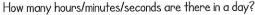
Please find attached three mental arithmetic booklets, one for each week.

WB 1.6.20 converting units of time



Children to practise converting between years, months, weeks, days, hours, minutes and seconds.

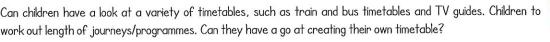
How many months/weeks/days are in a year?





WB 8.6.20 Timetables

Can children have a look at a variety of timetables, such as train and bus timetables and TV guides. Children to





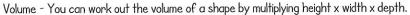
WB 15.6.20 Perimeter, area and volume

https://www.bbc.co.uk/bitesize/topics/zjbg87h

Perimeter - add all the lengths of the square/rectangle up.



Area - To work out the area of a square or a rectangle, multiply the height by the width. If the measurement is cm the answer is cm2. If the height and width are in m, the area is shown in m2.





twinkl.co.uk

























Fluent in Five

Daily Arithmetic Practice Week 9

Year 5

Year 5 - Week 9

Please note, we always recommend reading 'Your Guide to Using Fluent in Five' before using these resources with your class.

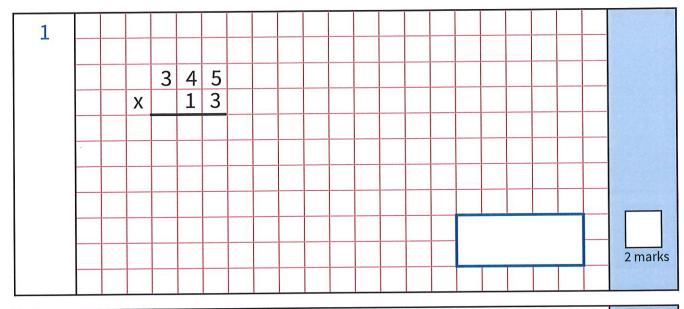
This week in a nutshell

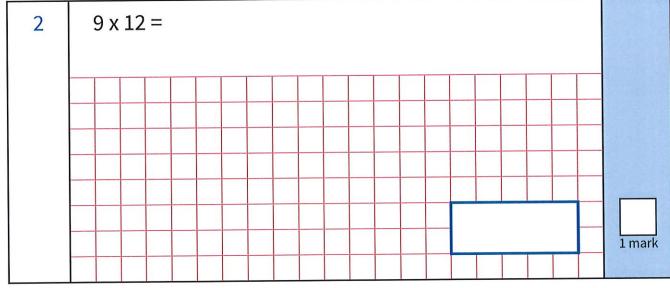
- Mental multiplication, division addition and subtraction content from the previous 8
 weeks is recapped and pupils are introduced to squared numbers for the first time.
- Pupils will also begin to divide multiples of 100 by multiples of 100 mentally for the first time (e.g. $800 \div 400$).
- Long multiplication features again but with an added challenge from previous weeks as now pupils need to multiply 3-digit numbers by 2-digit numbers.
- Addition and subtraction includes numbers with 4 or more digits.

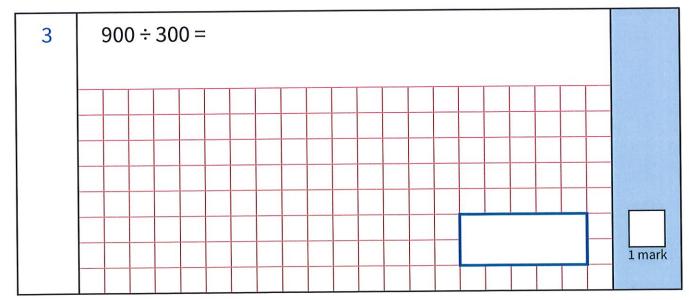
Fluent in Five - Year 5
Week 9 - Day 1

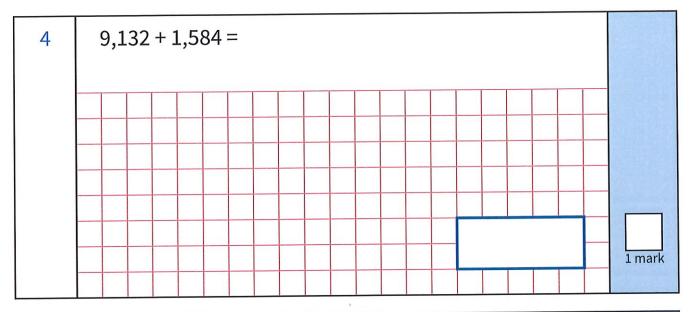
Name......School.....

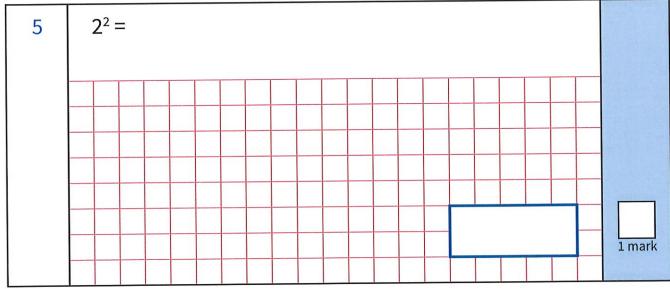
Class.....Score....









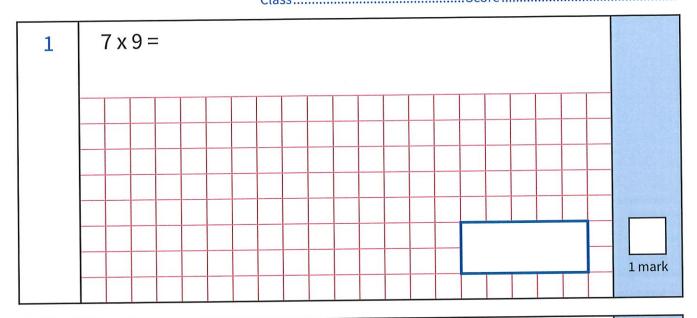


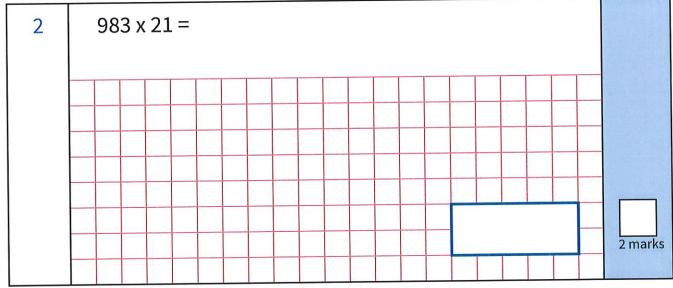
Answer Sheet

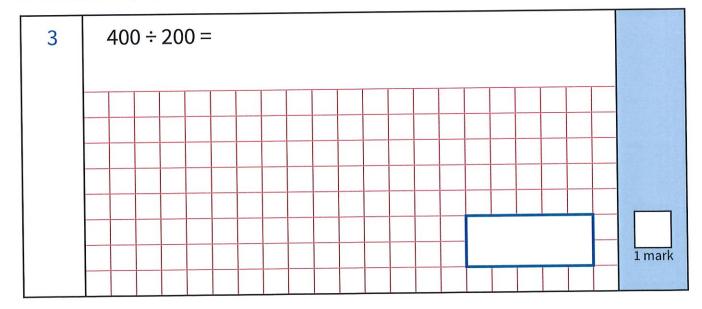
- 1. 345 x 13 = **4,485** (W)
- 2. $9 \times 12 = 108 \, (M)$
- 3. $900 \div 300 = 3 \text{ (M)}$
- 4. 9,132 + 1,584 = **10,716** (W)
- 5. $2^2 = 4 (M)$

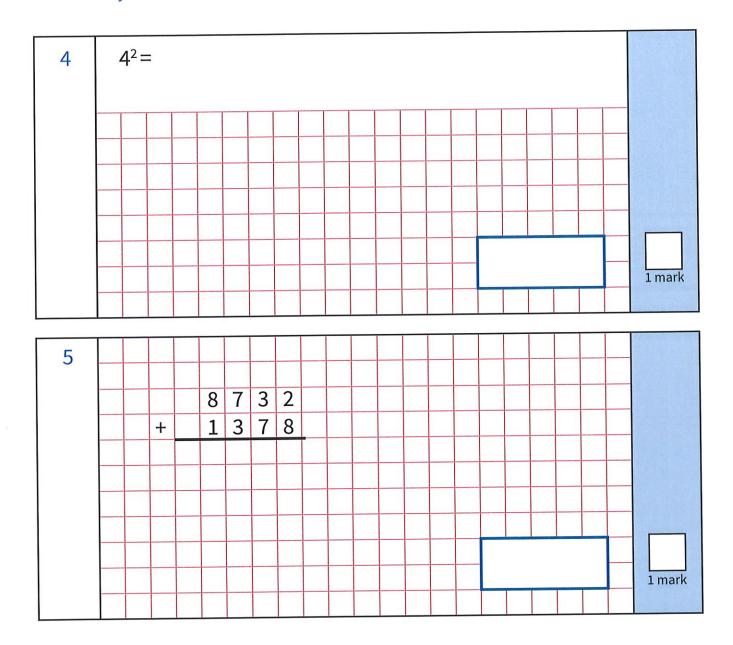
Fluent in Five - Year 5
Week 9 - Day 2

Name	
Date	School
Class	Score



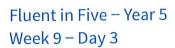






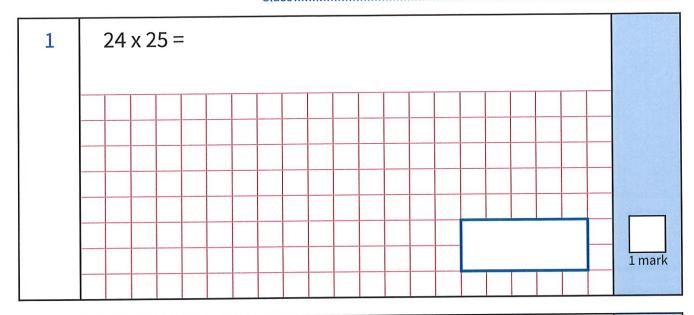
Answer Sheet

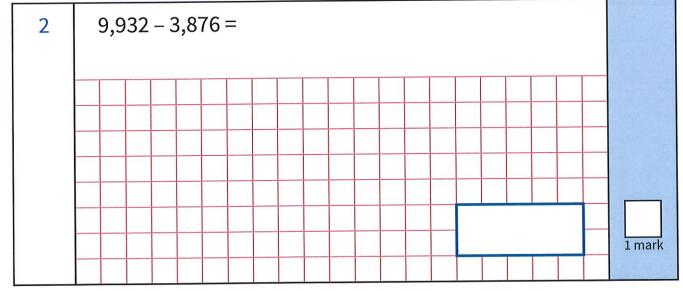
- 1. $7 \times 9 = 63 \text{ (M)}$
- 2. 983 x 21 = **20,643** (W)
- 3. $400 \div 200 = 2$ (M)
- 4. $4^2 = 16$ (M)
- 5. 8,732 + 1,378 = 10,110 (W)

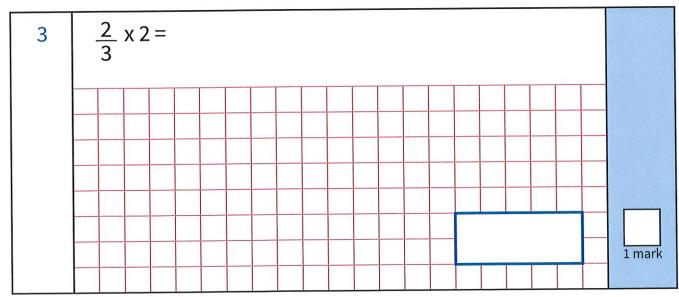


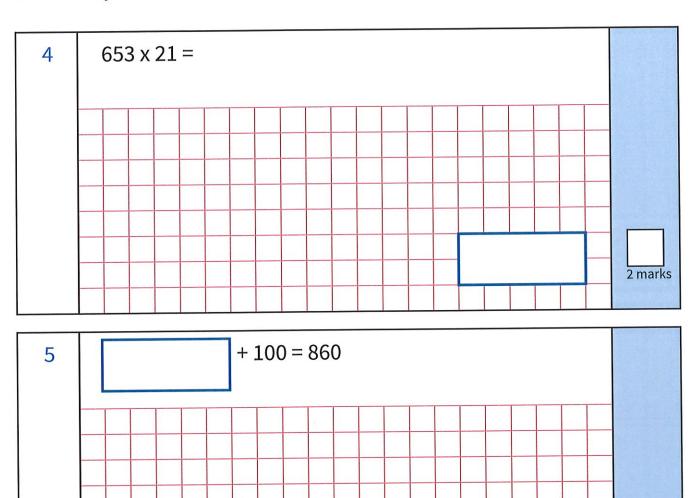
Name......School.....

Class.....Score....









1 mark

Answer Sheet

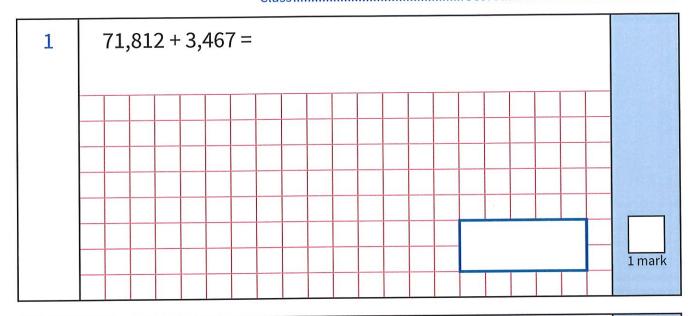
1.
$$24 \times 25 = 600 \text{ (M)}$$

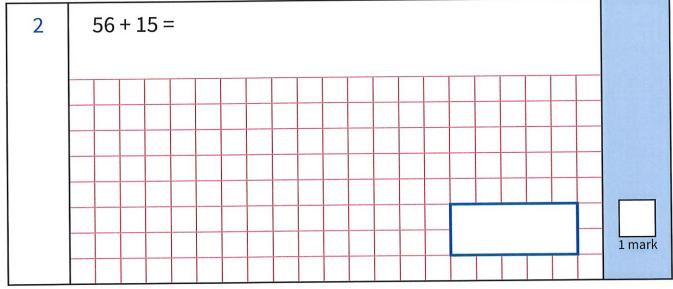
3.
$$\frac{2}{3}$$
 x 2 = $\frac{4}{3}$ or $1\frac{2}{3}$ (M)

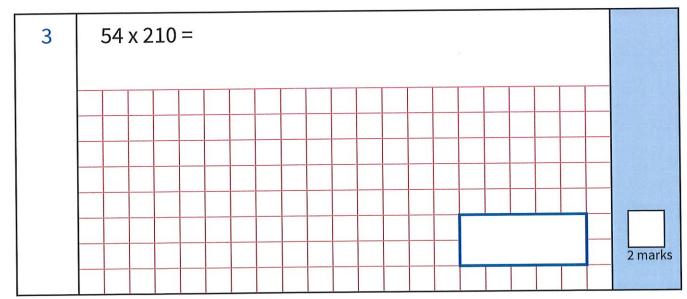
4.
$$653 \times 21 = 13,713$$
 (W)

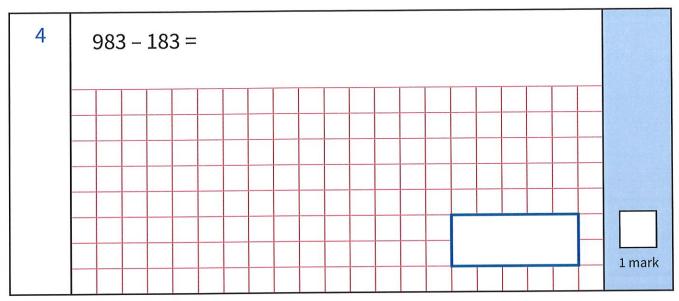
Fluent in Five - Year 5
Week 9 - Day 4

Name	
Date	School
Class	Score











Answer Sheet

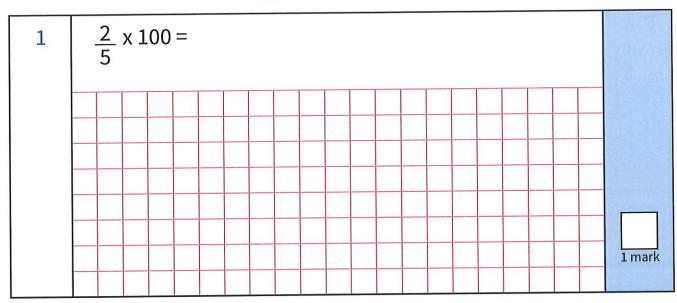
2.
$$56 + 15 = 71$$
 (M)

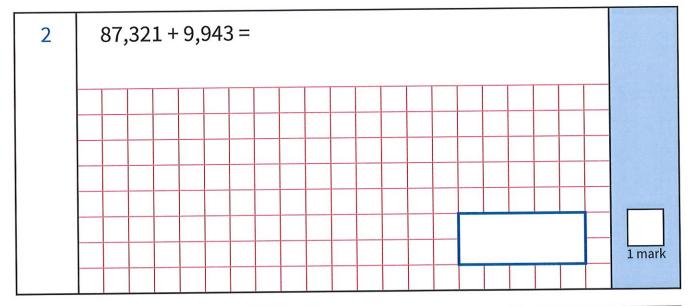
3.
$$54 \times 210 = 11,340$$
 (W)

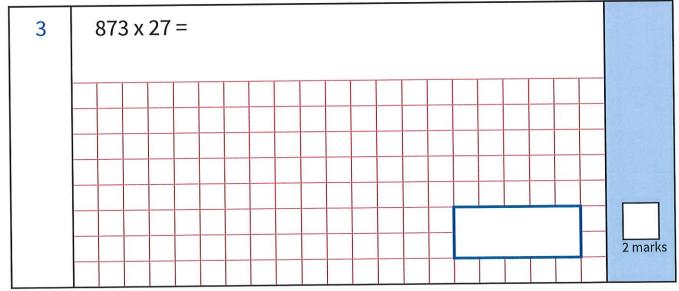
4.
$$983 - 183 = 800 (M)$$

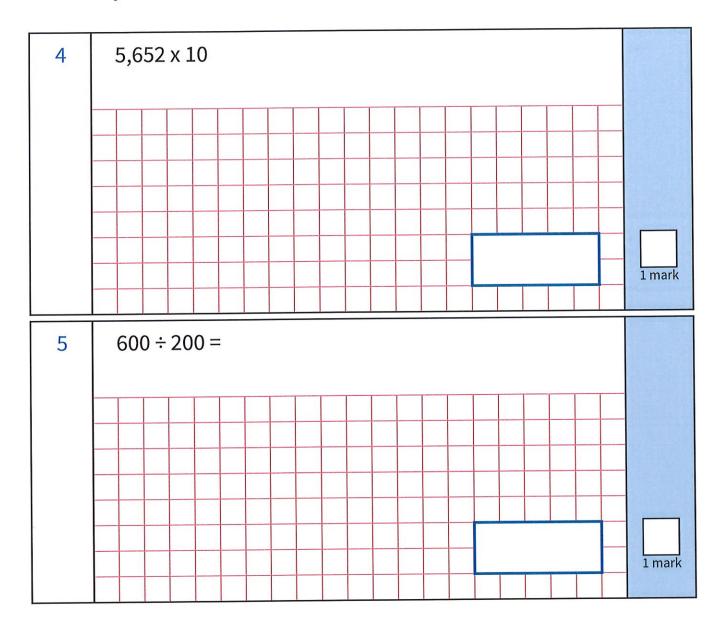
5.
$$5^3 = 125$$
 (M)

Class.....Score...









Answer Sheet

1.
$$\frac{2}{5}$$
 x 100 = **40** (M)

4.
$$5,652 \times 10 = 56,520 \text{ (M)}$$

5.
$$600 \div 200 = 3 \text{ (M)}$$

Fluent in Five

Daily Arithmetic Practice Week 10

Year 5



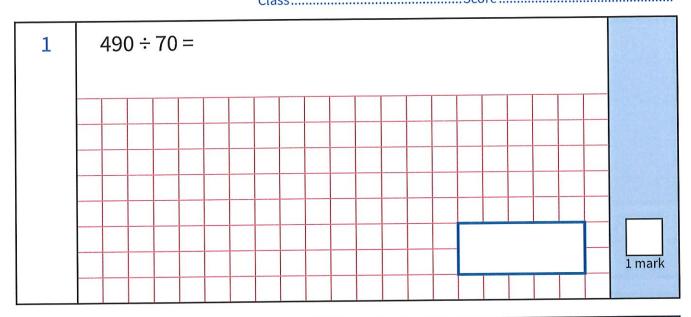
Year 5 - Week 10

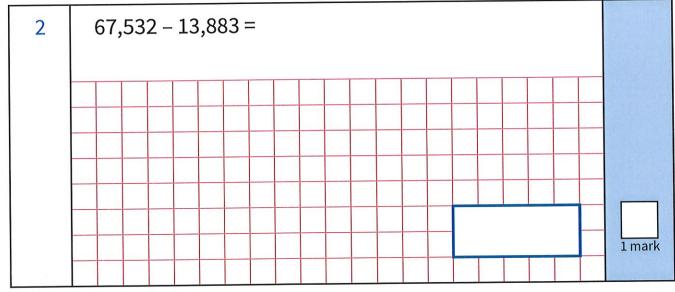
Please note, we always recommend reading 'Your Guide to Using Fluent in Five' before using these resources with your class.

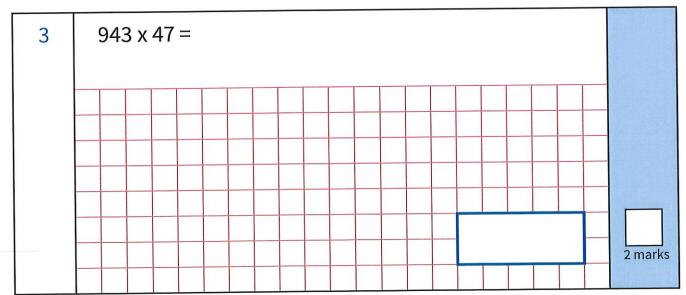
This week in a nutshell

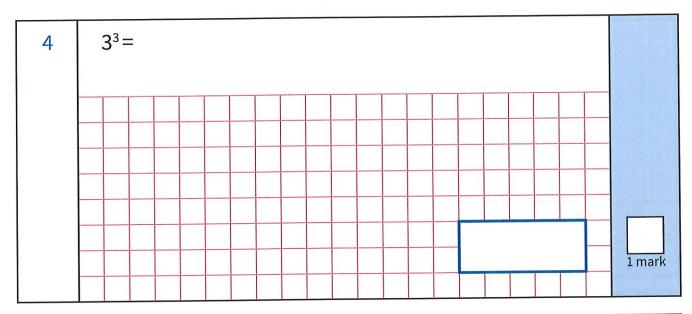
- Mental multiplication, division, addition and subtraction content from the previous 9 weeks is recapped.
- Pupils are also introduced to the mental division of multiples of 10 by multiples of 10 for the first time (e.g. $240 \div 60$).
- Pupils are introduced to the addition and subtractions of fractions where the denominators are not the same. For the next few weeks, these questions will always only require a single conversion.
- Written questions continue to focus on addition and subtraction of larger numbers, together with long and short multiplication.

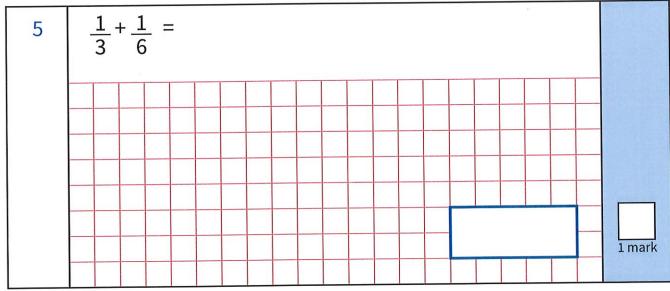












Answer Sheet

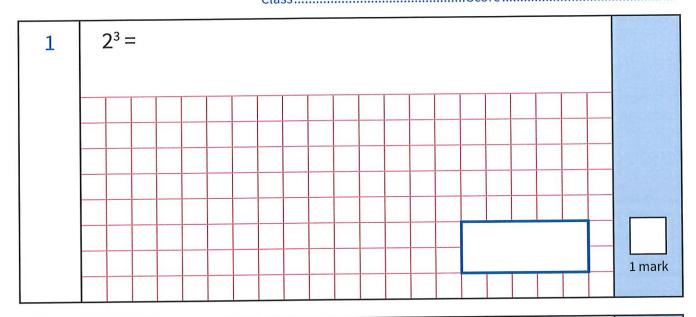
1.
$$490 \div 70 = 7$$
 (M)

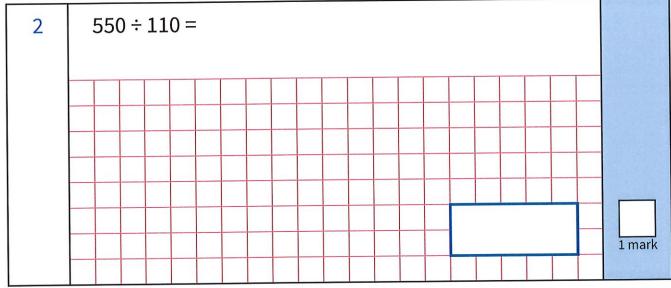
4.
$$3^3 = 27$$
 (M)

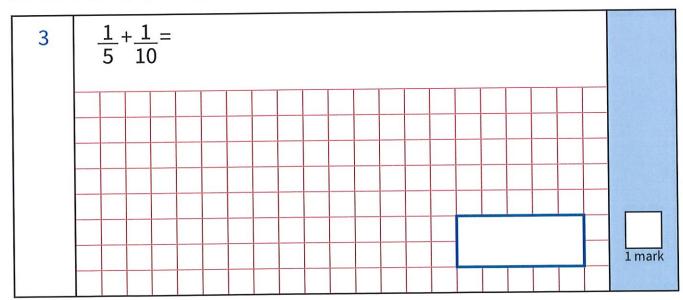
5.
$$\frac{1}{3} + \frac{1}{6} = \frac{3}{6} \text{ or } \frac{1}{2}$$
 (M)

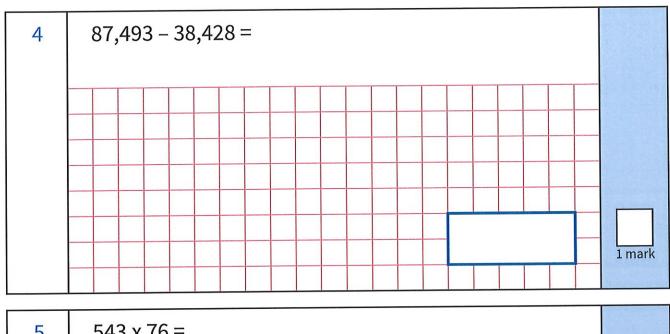
Fluent in Five - Year 5
Week 10 - Day 2

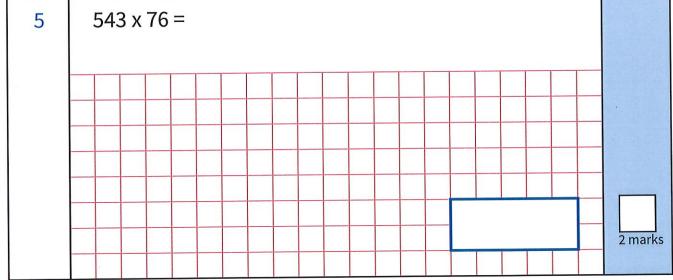
Name	
Date	School
Class	Score











Answer Sheet

1.
$$2^3 = 8 (M)$$

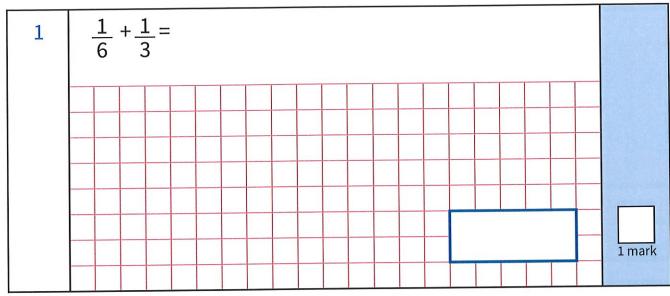
2.
$$550 \div 110 = 5$$
 (M)

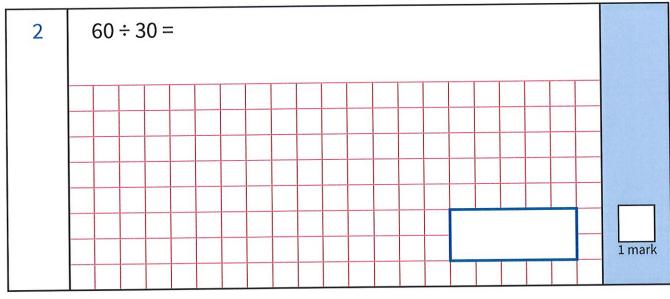
3.
$$\frac{1}{5} + \frac{1}{10} = \frac{3}{10}$$
 (M)

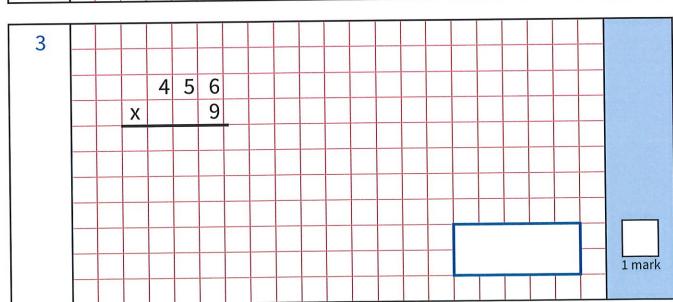
Fluent in Five – Year 5
Week 10 - Day 3

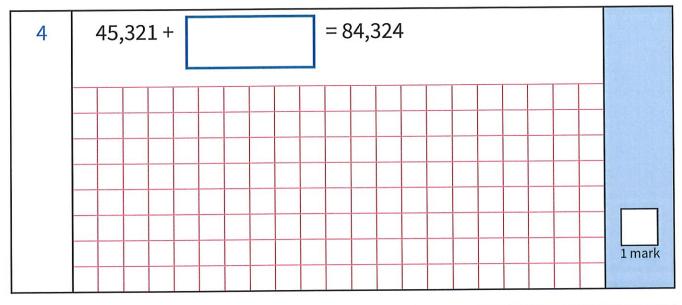
Name	
Date	School

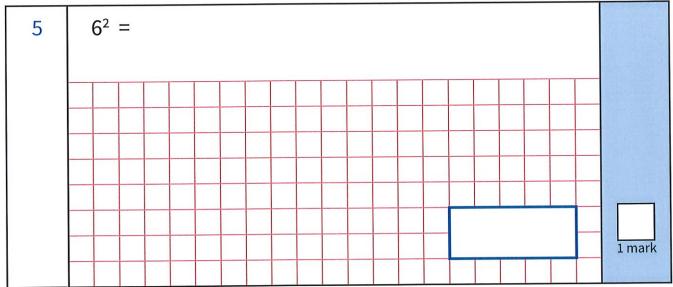
Class.....Score....











Answer Sheet

1.
$$\frac{1}{6} + \frac{1}{3} = \frac{3}{6} \text{ or } \frac{1}{2} \text{ (M)}$$

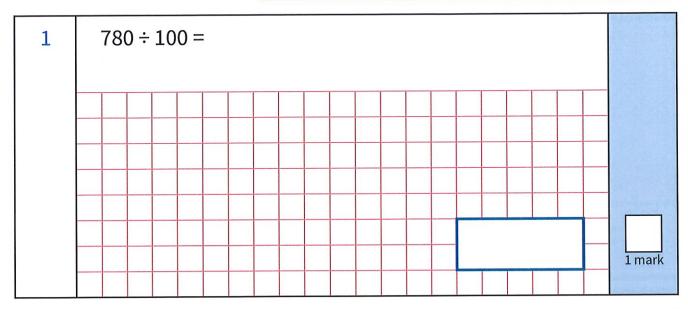
2.
$$60 \div 30 = 2$$
 (M)

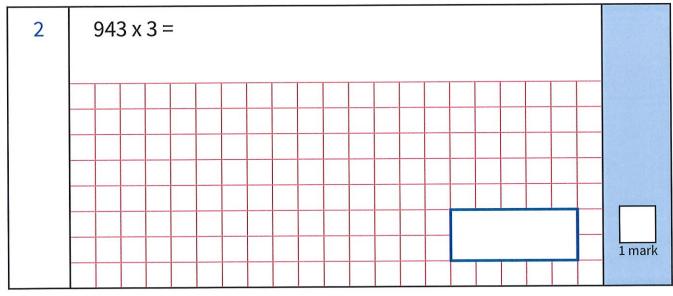
3.
$$456 \times 9 = 4,104 (W)$$

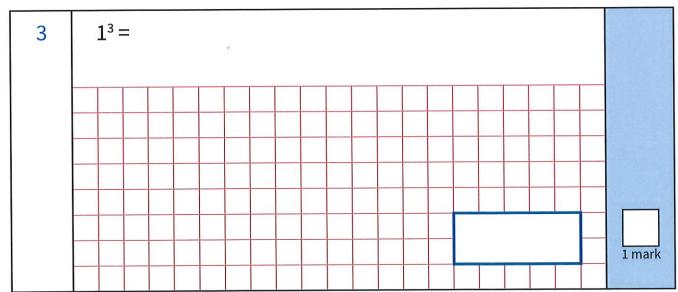
5.
$$6^2 = 36 (M)$$

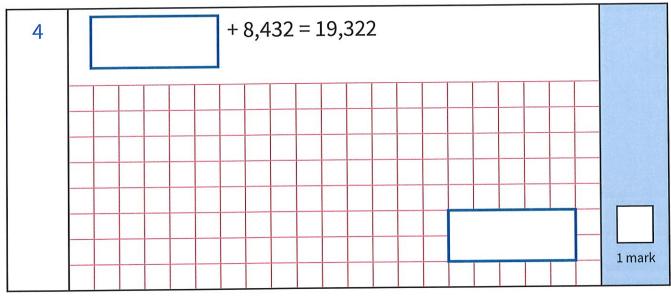
Fluent in Five - Year 5
Week 10 - Day 4

Name	
Date	School
Class	Score











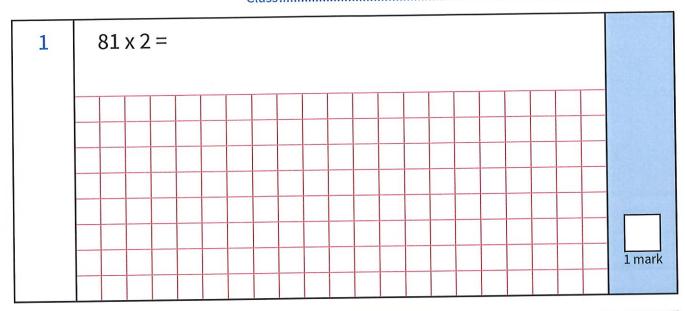
Answer Sheet

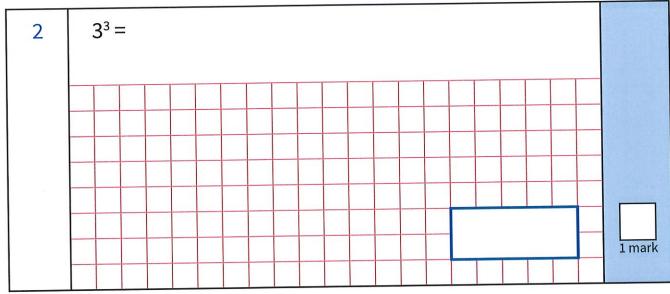
1.
$$780 \div 100 = 7.8$$
 (M)

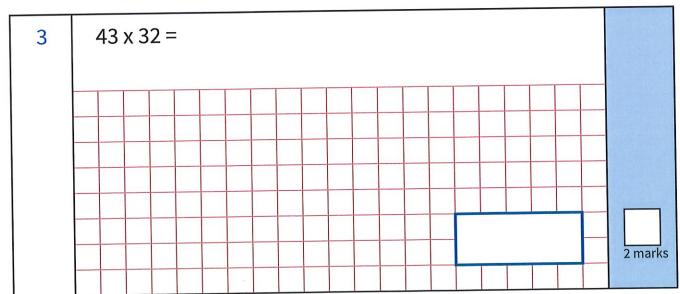
3.
$$1^3 = 1 (M)$$

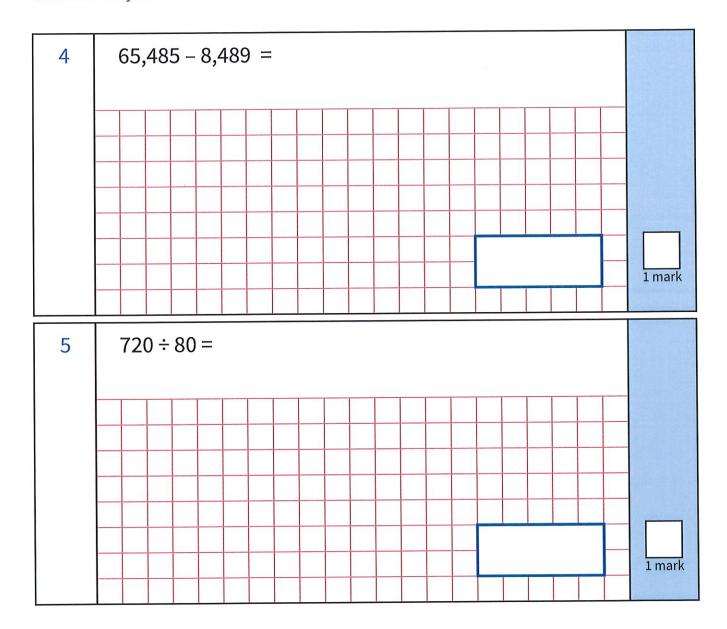
5.
$$\frac{3}{5} + \frac{1}{15} = \frac{10}{15}$$
 or $\frac{1}{3}$ (M)











Answer Sheet

- 1. $81 \times 2 = 162 \text{ (M)}$
- 2. $3^3 = 27 (M)$
- 3. $43 \times 32 = 1,376$ (W)
- 4. 65,485 8,489 = **56,996** (W)
- 5. $720 \div 80 = 9 \text{ (M)}$

Fluent in Five

Daily Arithmetic Practice Week 11

Year 5



Year 5 - Week 11

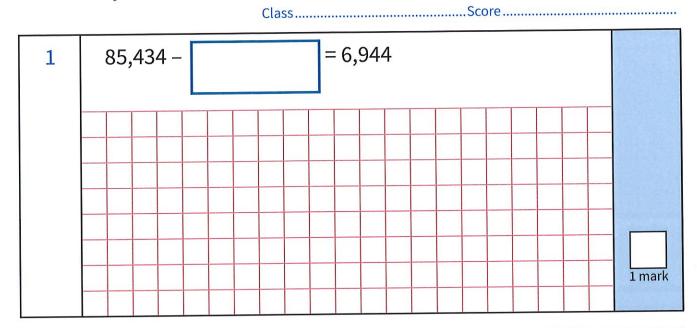
Please note, we always recommend reading 'Your Guide to Using Fluent in Five' before using these resources with your class.

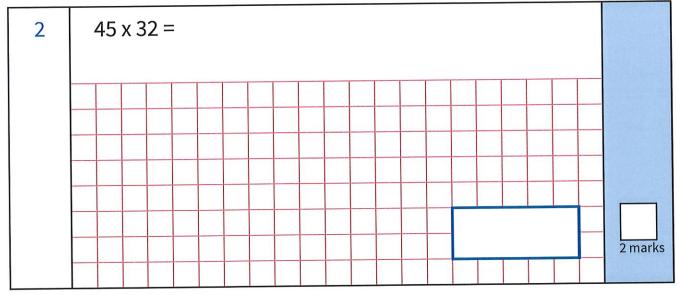
This week in a nutshell

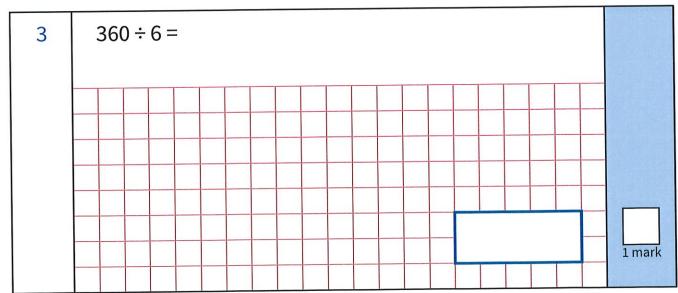
- Mental multiplication, division, addition and subtraction content from the previous 9 weeks is recapped.
- Pupils are introduced to the mental addition of single-digit decimals for the first time.
- Questions feature the addition of fractions which do not have the same denominators.
- Written questions continue to focus on addition and subtraction of larger numbers, together with long and short multiplication.



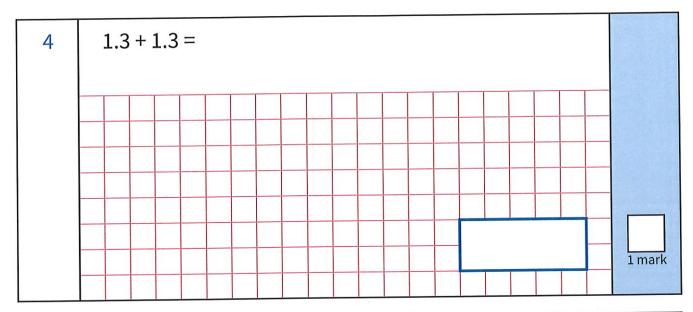
Date......School.....







Fluent in Five - Year 5 Week 11 - Day 1





Fluent in Five - Year5 Week 11 - Day 1

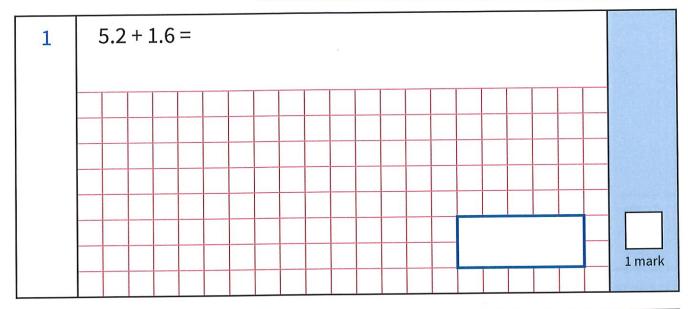
Answer Sheet

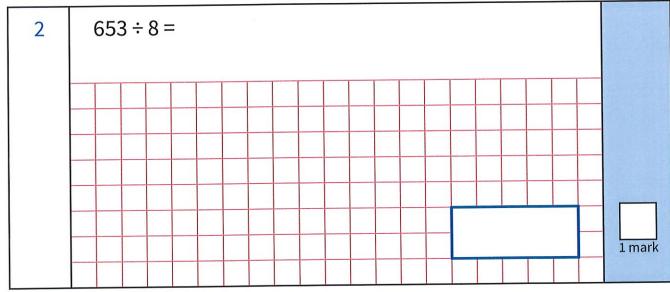
Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

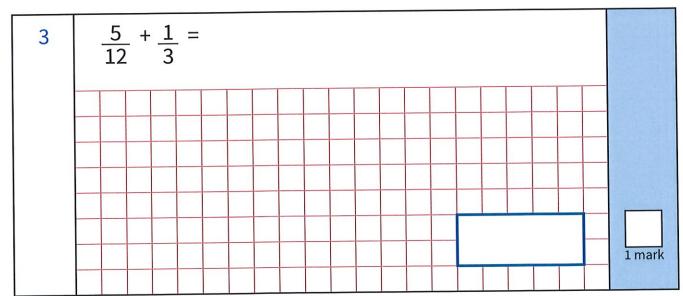
- 1. 85,434 **78,490** = 6,944 (W)
- 2. $45 \times 32 = 1,440 \text{ (W)}$
- 3. $360 \div 6 = 60 \text{ (M)}$
- 4. 1.3 + 1.3 = 2.6 (M)
- 5. $\frac{1}{5} + \frac{3}{10} = \frac{5}{10} \text{ or } \frac{1}{2} (M)$

Fluent in Five - Year 5
Week 11 - Day 2

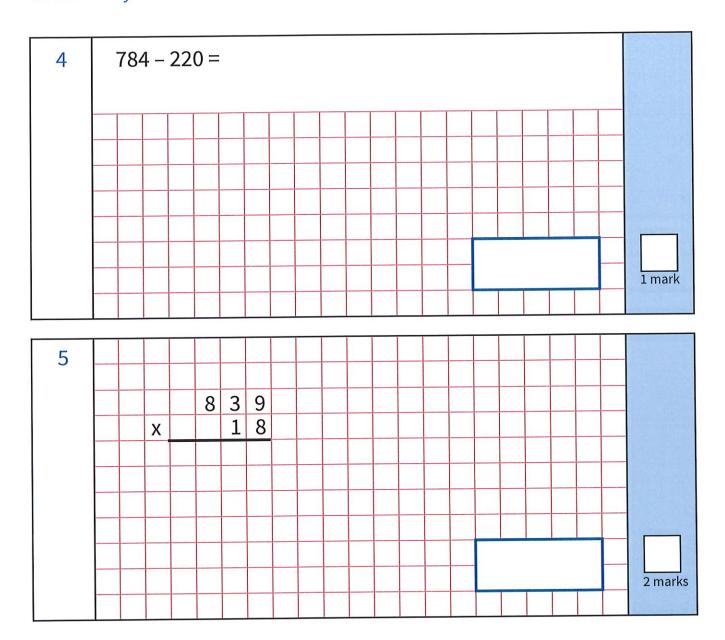
Name	
Date	School
Class	Score







Fluent in Five - Year 5 Week 11 - Day 2



Fluent in Five – Year 5 Week 11 – Day 2

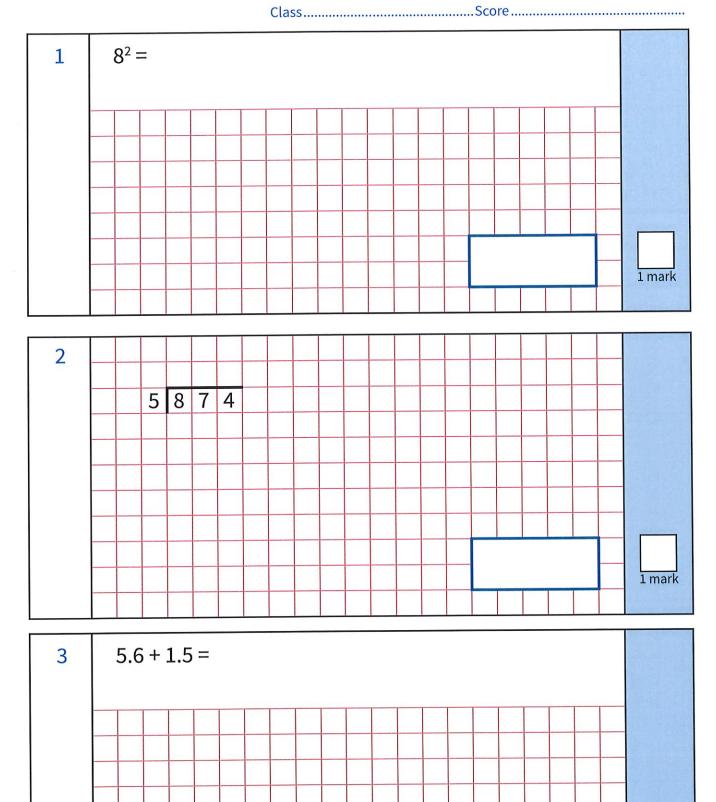
Answer Sheet

Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

- 1. 5.2 + 1.6 = 6.8 (M)
- 2. $653 \div 8 = 81 \text{ r 5} \text{ or } 81\frac{5}{8}$ (W)
- 3. $\frac{5}{12} + \frac{1}{3} = \frac{9}{12}$ or $\frac{3}{4}$ (M)
- 4. 784 220 = **564** (M)
- 5. 839 x 18 = **15,102** (W)

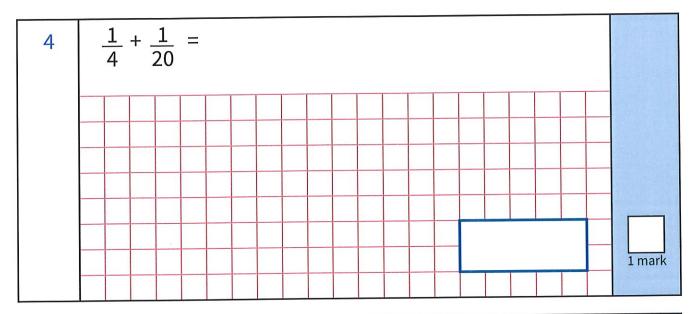
Fluent in Five – Year 5
Week 11 – Day 3

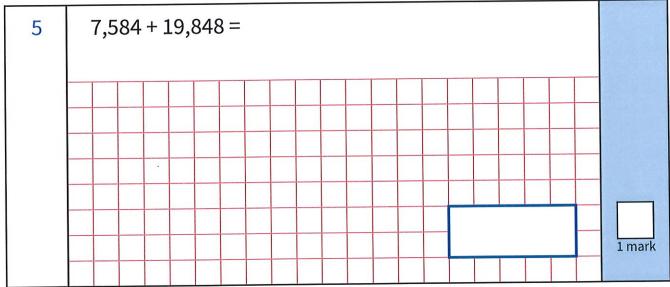
Name......School.....



1 mark

Fluent in Five – Year 5 Week 11 – Day 3





Fluent in Five – Year 5 Week 11 – Day 3

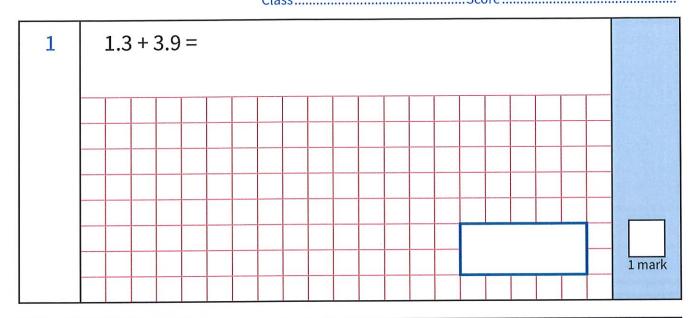
Answer Sheet

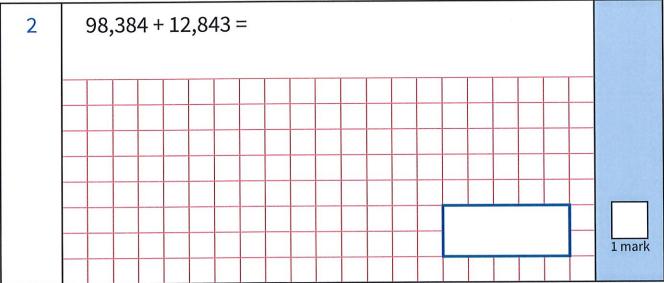
Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

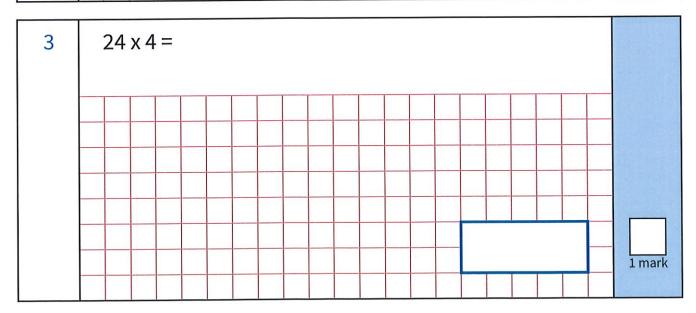
- 1. $8^2 = 64 (M)$
- 2. $874 \div 5 = 174 \text{ r 4} \text{ or } 174 \frac{4}{5} \text{ (W)}$
- 3. 5.6 + 1.5 = 7.1 (M)
- 4. $\frac{1}{4} + \frac{1}{20} = \frac{6}{20}$ or $\frac{3}{10}$ (M)
- 5. 7,584 + 19,848 = **27,432** (W)

Fluent in Five - Year 5
Week 11 - Day 4

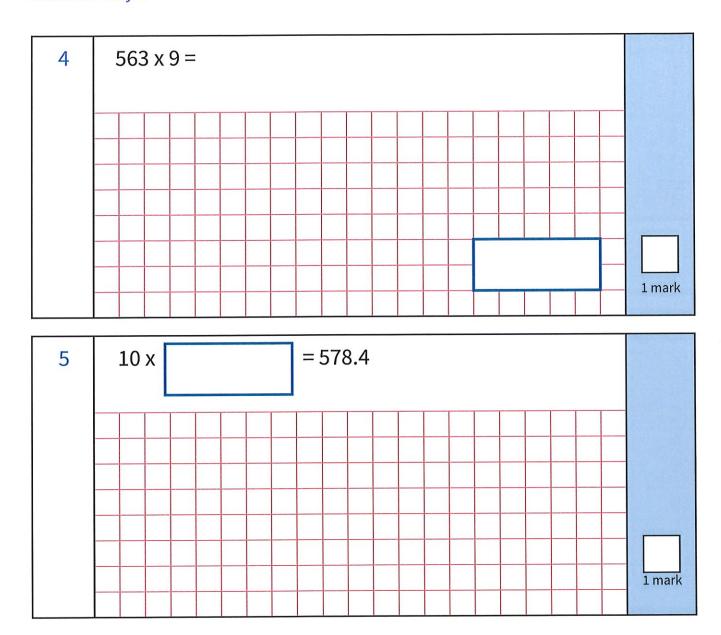
Name	
Date	School
Class	Cooro







Fluent in Five - Year 5 Week 11 - Day 4



Fluent in Five - Year 5 Week 11 - Day 4

Answer Sheet

Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

1.
$$1.3 + 3.9 = 5.2$$
 (M)

3.
$$24 \times 4 = 96 \text{ (M)}$$

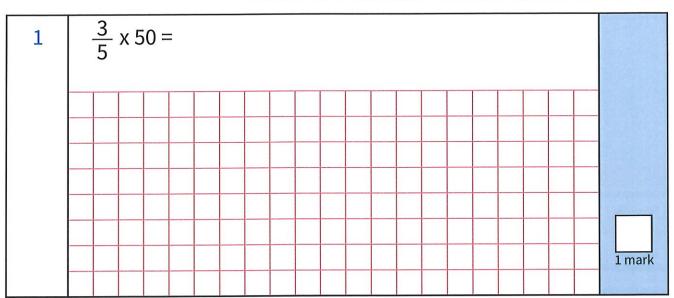
4.
$$563 \times 9 = 5,067 (W)$$

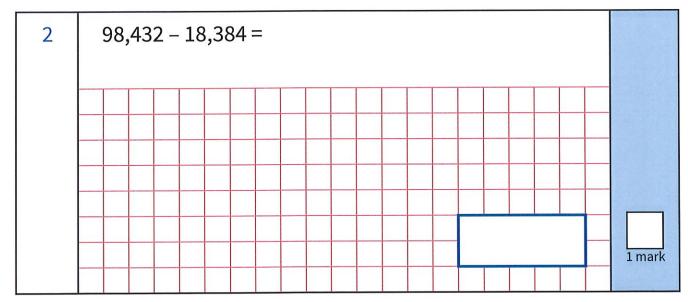
5.
$$10 \times 57.84 = 578.4$$
 (M)

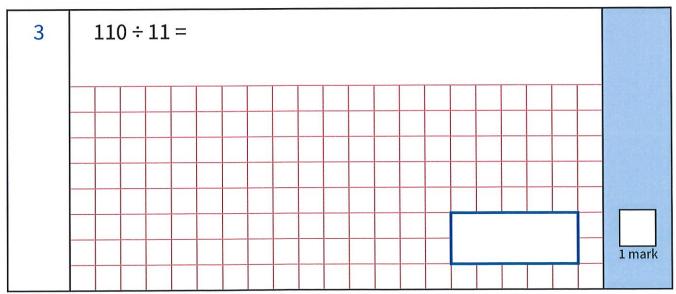
Fluent in Five - Year 5
Week 11 - Day 5

Name......School.....

Class.....Score....







Fluent in Five - Year 5 Week 11 - Day 5



Fluent in Five - Year 5 Week 11 - Day 5

Answer Sheet

Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

1.
$$\frac{3}{5}$$
 x 50 = **30** (M)

3.
$$110 \div 11 = 10$$
 (M)

5.
$$5.6 + 0.8 = 6.4$$
 (M)

Converting Units of Time

Fluency Teaching Slides www.masterthecurriculum.co.uk

Converting Units of Time

Complete the conversions.

How many months are there in a year?

Converting Units of Time

Complete the conversions.

masterthecurriculum.co.uk

Converting Units of Time

Complete the conversions.

Converting Units of Time

Complete the conversions.

1 year =
$$12$$
 months

$$\frac{2}{}$$
 years = 24 months

$$2.5 \text{ years} = 30 \text{ months}$$

Converting Units of Time

Complete the table.

Days	Weeks/Weeks and Days
42 days	
	5 weeks and 5 days
	10 weeks and 5 days
100 days	



Can 21 days be written in weeks? Explain your answer.

Converting Units of Time

Activity 2

Complete the table.

Weeks/Weeks and	6 weeks	5 weeks and 5	10 weeks and 5	14 weeks and 2
Days		days	days	days
Days	42 days	40 days	75 days	100 days

Converting Units of Time

Complete the table.

Weeks/Weeks and Days		4 weeks and 2 days	5 weeks and 6 days	10 weeks and 1 day	9 weeks
Days	36 days				

Converting Units of Time

Complete the table.

Weeks/Weeks and Days	5 weeks and 1 day	4 weeks and 2 days	5 weeks and 6 days	10 weeks and 1 day	9 weeks
Days	36 days	30 days	41 days	71 days	63 days

Converting Units of Time

Use this information to complete the conversions.

$$\frac{1}{3}$$
 hour =

3



Is 0.75 hours the same as 75 minutes? Why or why not?

Converting Units of Time

Use this information to complete the conversions.

$$\frac{1}{3}$$
 hour = 20 minutes

masterthecurriculum.co.uk

Converting Units of Time

Use this information to complete the conversions.

Converting Units of Time

Activity 3

Use this information to complete the conversions.

75 minutes = 1 hour and 15 minutes

90 minutes = 1 hour and 30 minutes

240 seconds = 4 minutes

3 hours and 24 minutes = 204 minutes

Converting Units of Time









Malachi

Malachi's birthday is in February.

Rosie's birthday is in January.



Rosie is 96 hours older than Malachi.







Converting Units of Time









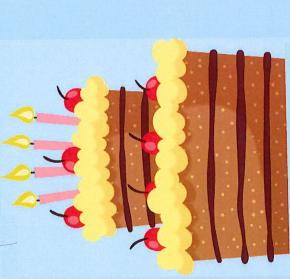
Rosie's birthday is in January.



Malachi



Malachi's birthday is in February.



Possible answers:

29th January and 2nd February 30th January and 3rd February 31st January and 4th February 28th January and 1st February



Converting Units of Time

Three children are running a race.



Esin finishes the race in 2 minutes 5 seconds.



Zach finishes the race in 195 seconds.



Leanna finishes the race in 145 seconds.

Who finishes the race first?

Converting Units of Time

Three children are running a race.



Esin finishes the race in 2 minutes 5 seconds.



Zach finishes the race in 195 Zach: 3 minutes and 15 seconds seconds seconds.

Esin: 2 minutes and 5



Leanna finishes the race in 145 seconds.





Converting Units of Time

How many months/weeks/days are there in a year?

How many hours/minutes/seconds are there in a day?

Can 21 days be written in weeks? Can 25 days be written in weeks? Explain your answers.

Is 0.75 hours the same as 75 minutes? Why or why not?

Timetables

Fluency Teaching Slides

Activity 1

Timetables

Use the timetable to answer the questions.

	Bus	Bus Timetable	9		
Halifax Bus Station	06:05	06:35	07:10	07:43	08:15
Shelf Roundabout	06:15	06:45		07:59	08:31
Shelf Village Hall	06:16	06:46	07:35	00:80	08:32
Woodside	06:21	06:50	07:28		
Odsal	06:26	06:55	07:33	08:15	08:45
Bradford Interchange	06:40	07:10	07:48	08:30	00:60

same for every bus? Why might the time not always be the same? Why are Is the time to get from Shelf Roundabout to Bradford Interchange the some of the times blank?



When do we use timetables in everyday life?

news starts at 6 p.m. and lasts for 45 minutes. *Mindless* is on for 1 hour and ends at 18:00. Junk Collectors is on for 75 minutes and There are five TV programmes on between 17:00 and 23:00. The Timetables Activity 2

starts at 20:00. The Thirsty Games is on for 175 minutes and ends at

23:00. Make a timetable for the evening TV.

starts straight after The News. Catch Up is on for 300 seconds and



How do we know where the important information is on the timetable?

)0 0 0

Activity 2

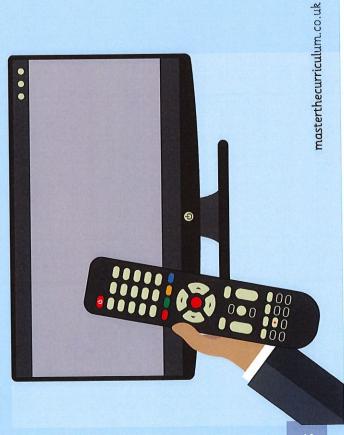
Timetables

starts at 20:00. The Thirsty Games is on for 175 minutes and ends at starts straight after The News. Catch Up is on for 300 seconds and news starts at 6 p.m. and lasts for 45 minutes. Mindless is on for 1 hour and ends at 18:00. Junk Collectors is on for 75 minutes and There are five TV programmes on between 17:00 and 23:00. The 23:00. Make a timetable for the evening TV.

TV programmes	mmes	
Mindless	2:00	00:9
The News	00:9	6:45
Junk Collectors	6:45	8:00
Catch Up	8:00	8:05
The Thirsty Games	8:05	11:00

Activity 2 Timetables

News starts at 6pm and lasts for 45 minutes. North Enders is on for 30 minutes and ends at 18:00. Animal Wildlife is on for 30 minutes and starts before North Enders. Live Updates is on for 900 seconds and starts at 18:45. Barry Potts is on for 180 minutes, starts after There are five TV programmes on between 17:00 and 22:00. The Live Updates and finishes at 22:00. Make a timetable for the TV programmes.



Activity 2 Timetables

News starts at 6pm and lasts for 45 minutes. North Enders is on for 30 minutes and ends at 18:00. Animal Wildlife is on for 30 minutes and starts before North Enders. Live Updates is on for 900 seconds and starts at 18:45. Barry Potts is on for 180 minutes, starts after There are five TV programmes on between 17:00 and 22:00. The Live Updates and finishes at 22:00. Make a timetable for the TV programmes.

TV programmes	l Wildlife 5:00 5:30	L Enders 5:30 6:00	News 6:00 6:45	Jpdates 6:45 7:00	u Potts 7:00 10:00
_	Animal Wildlife	North Enders	The News	Live Updates	Barry Potts

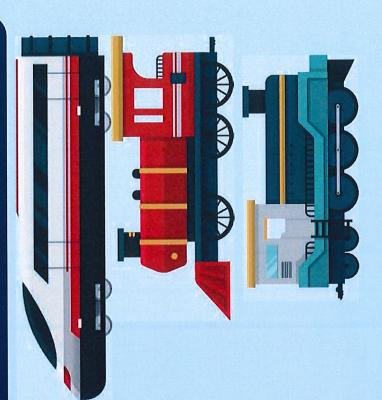
masterthecurriculum.co.uk

Reasoning 1

morning: the express train, the slow train and the cargo Three trains travel from Halifax to Leeds on the same train.

minutes after the slow train, but arrives at The express train leaves Halifax 15 Leeds 15 minutes before.

The slow train takes 55 minutes to reach Leeds and arrives at 10:35. The cargo train leaves 20 minutes before the slow train and arrives in Leeds 40 minutes after the express train.



What time does each train leave Halifax and what time does each train arrive at Leeds station?

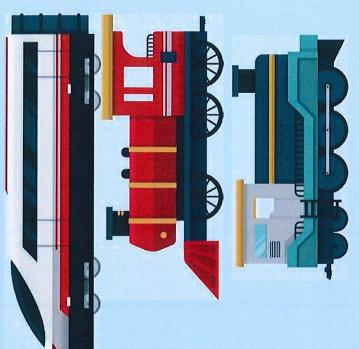
Reasoning 1

morning: the express train, the slow train and the cargo Three trains travel from Halifax to Leeds on the same train.

minutes after the slow train, but arrives at The express train leaves Halifax 15 Leeds 15 minutes before.

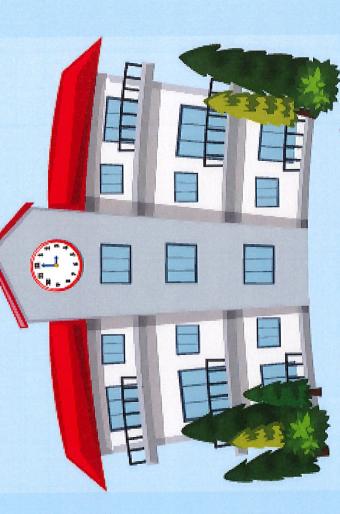
The slow train takes 55 minutes to reach Leeds and arrives at 10.35. The cargo train leaves 20 minutes before the slow train and arrives in Leeds 40 minutes after the express train.

express train leaves Halifax at 9:55 and arrives in Leeds at 10:20. The cargo The slow train leaves Halifax at 9:40 and arrives in Leeds at 10:35. The train leaves Halifax at 9:20 and arrives in Leeds at 11:00.



Make a timetable of your school day.

Calculate how many hours each week you spend on each subject. Can you convert this into minutes? Can you convert this into seconds?



spend on each subject? Can you convert the time into days? If this is an average week, how many hours a year do you

Timetables

Reasoning 2

Make a timetable of your school day.

Calculate how many hours each week you spend on each subject. Can you convert this into minutes? Can you convert this into seconds?



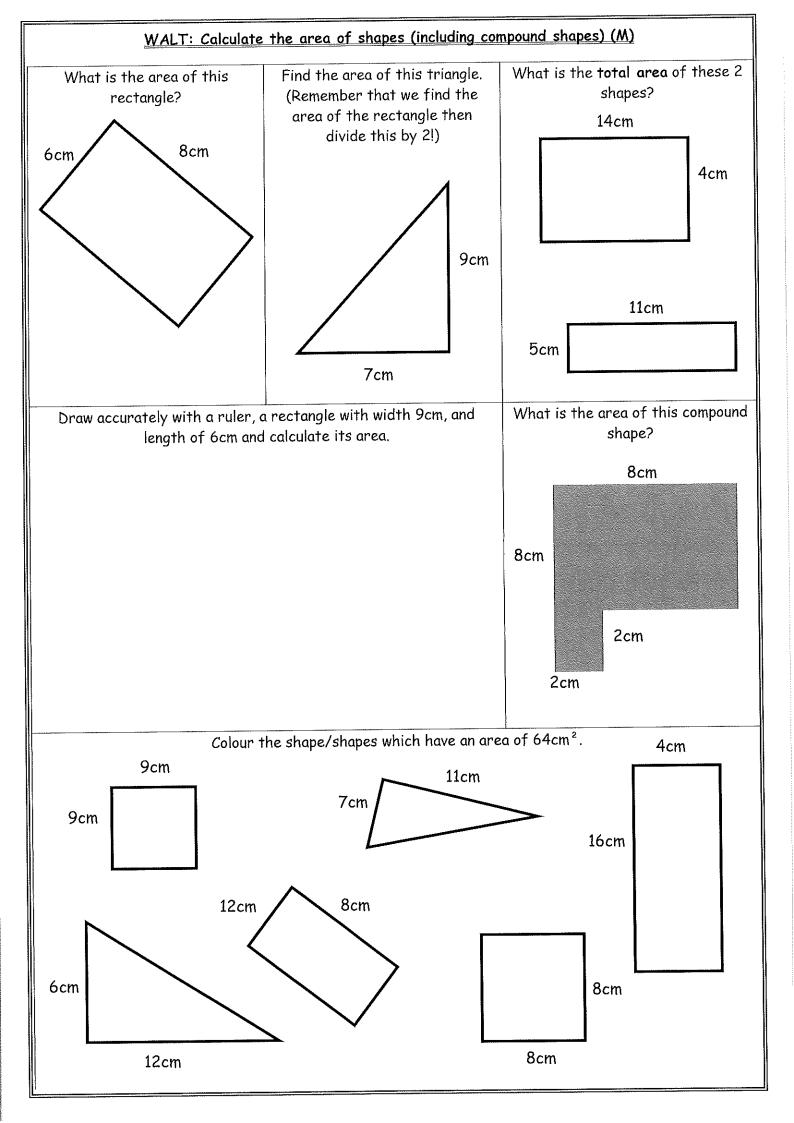
Answers will vary depending on the school day.

Discussion

When do we use timetables in everyday life?

How do we know where the important information is on the timetable?

When does column method not work for finding the difference between times?



Aim: To measure and compare volume and capacity.	
Atm. 10 measure and compare volume and capacity.	

Counting Cubes

You will need connecting cubes for this activity.

Make different cuboid shapes using interlocking cubes but keeping the same volume. Record your findings in the table.

Challenge: Which number of cu	bes do you think will make the most different cuboid shapes?
I think	cubes will make the most number of cuboid shapes.

Number of Cubes	How many different cuboid shapes I can make?	What did the shapes look like? Write or draw your cuboid shapes.
6 cubes	2	1 × 6 cubes and 2 × 3 cubes
8 cubes		
12 cubes		
15 cubes		
16 cubes		
24 cubes		
31 cubes		





A Variety of Volumes

You will need a variety of containers with different capacities, water and a measuring container for this activity.

Using a variety of containers, predict which will hold the least to the most capacity of water by arranging them in order. Number the containers and predict the volume of water each will hold. Record your predictions in the table. Using a measuring jug, accurately measure the volume of water that each container holds and record that in the table.

Challenge: Calculate the difference between your prediction and the actual measurement.

Container Order	Prediction of volume of water held (ml).	Actual volume of water held (ml).	Difference (+ or - ml)
Number			ml





Volume and Capacity Challenges Answers

Counting Cubes

Number of Cubes	How many different cuboid shapes I can make?	What did the shapes look like? Write or draw your cuboid shapes.
6 cubes	2	1 × 6 cubes and 2 × 3 cubes
8 cubes	2 to 3	1 × 8, 2 × 4, 2 × 2 × 2 (3 arrangements)
12 cubes	4	1 × 12, 2 × 6, 3 × 4 (3 arrangements)
15 cubes	2	1 × 15, 3 × 5 (2 arrangements)
16 cubes	3	1 × 16, 2 × 8, 4 × 4 (3 αrrangements)
24 cubes	4	1 × 24, 2 × 12, 3 × 8, 4 × 6 (4 arrangements)
31 cubes	1	1 × 31 (1 arrangement)

A Variety of Volumes.

Answers will vary. Check for accuracy of estimation and measuring capacity.



Aim: To estimate, measure and scale volume and capacity.

What is the Volume of the Classroom?

You will need measuring equipment for this activity.

Your task is to estimate the volume of your class room, then to measure and calculate it.

Record your estimations in the table. You may need to section your room if it is a compound shape.

Length estimation	Width estimation	Height estimation
		and the second s

What will help you to measure? A 30cm ruler? A metre stick? A tape measure? A trundle wheel?

Record your measurements in the table. You may need help from an adult to measure the height of your room.

Width	Height
	Width

Challenge: Calculate the volume of the classroom using the formula; length \times width \times height. Think about how to do this if your class room is a compound shape.





It's a Matter of Scale

Imagine that you wanted to make scale models of your classroom. Calculate the dimensions and scaled volume based on the following scale adjustments.

Scale adjustment	Scaled dimensions	Scaled volume
Your classroom is half the original size	l = w = h =	m³
Your classroom is 5 times the original size	l = w = h =	m³
Your classroom is a quarter the original size	l = w = h =	m³
Your classroom is a tenth the original size	l = w = h =	m³



Volume and Capacity Challenges Answers

What is the Volume of the Classroom?

Answers will vary. Check for accuracy of estimation and measuring. Suggest repeat measuring if necessary.

Remind pupils of strategies for measuring compound shapes if necessary.

It's a Matter of Scale

Recorded measurements from activity one should be scaled as follows:

Multiplied by 2, divided by 2, multiplied by 5, divided by 4. Volume should then be calculated using scaled dimensions.





Aim: To estimate, construct, compare and calculate the volume of cuboids using formulae.

Growing Cubes

You will need squared paper, scissors and tape for this activity.

Your task is to make cubes of different sizes and to investigate what happens to the volume as the size of the cube increases.

Complete you estimations in the table before you begin and calculate the volume for each cube after you have made the model. Calculate the difference between your estimation and the actual volume.

Cube	Volume estimation	Volume calculation	Difference (actual measurement and +, - or = prediction)
1cm			
2cm			
3cm			
4cm			
5cm			
6cm			
7cm			
8cm			
9cm			
10cm			





Here is a diagram of how to make a net of a cube. You will need to plan your net carefully in order to construct your cubes. Be sure to add tabs. Challenge I have a container that is 10cm long, 10cm wide and 15cm high. I want to fill it with water. How much water do I need? Record your answer in ml and l. Show your workings here.





Volume and Capacity Challenges Answers

Growing Cubes

Cube	Volume estimation	Volume calculation	Difference (actual measurement and +, - or = prediction)		
1cm	1cm ³	1cm³	=		
2cm		8cm³			
3cm		27cm ³			
4cm		64cm³			
5cm		125cm ³			
6cm		216cm ³			
7cm		343cm ³			
8cm		512cm ³			
9cm		729cm ³			
10cm		1000cm ³			

Challenge

 $10 \times 10 \times 15 = 1500 \text{cm}^3$ $1l = 1000 \text{cm}^3$; so $1500 \text{cm}^3 = 1.5l$

There are 1000ml in every litre so $1500cm^3 = 1500ml$





















Cross curricular topic based on Australia



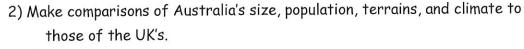
You will need to carry out some research to get to know Australia before you start:





1) Locate Australia on a world map. Make note of its hemisphere, latitude, longitude and countries and oceans surrounding it. Is it an island or a landlocked country?







3) List each of the States of Australia, and the State Capital City of each.



Your next task is to produce a Tourism Marketing Video to promote

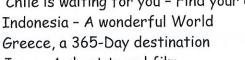
Australia using an iPad or iPhone.



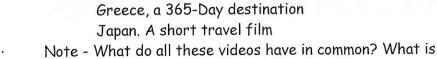
To achieve this you will need to:

Watch a sample of existing videos.

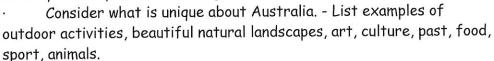
Youtube search: Chile is waiting for you - Find your Chile.





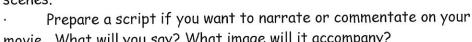


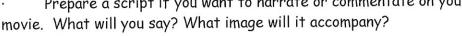
included? What appeals to travellers? Do you want to go there? - How How long are the videos? do they entice you?





- Collect images to include in your movie. (Save/Copy into Camera Roll)
- Use the Trailer Story board or Film strip to plan the sequence of scenes.





- Video any presentations.
- Locate background music. YouTube search: Royalty Free Music.
- Explore iMovie software. Discover how to insert, edit and layer images, video clips and audio.
- Collate pictures, video clips, audio together. Edit where necessary.
- Save and share your work. Either email it to school or share with family.















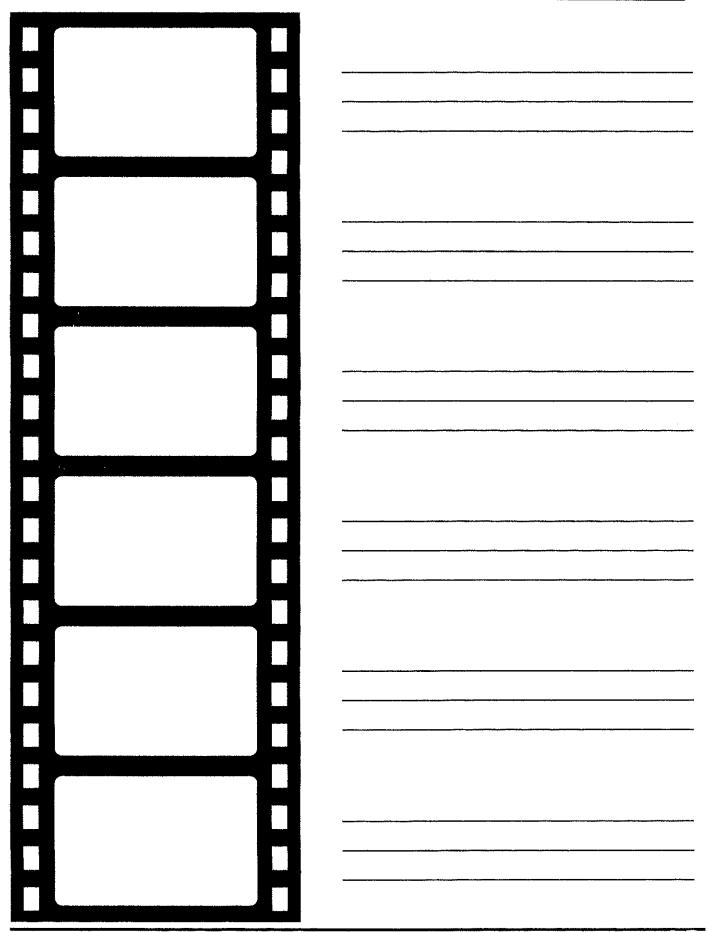






twinkl.co.uk

A Trailer About







		AND			3
					My Trailer Storyboard