Year 5/6 Maths Booklet 7

	Date							
	Subject/s				Maths			
Lea	ming Objective		To recall and us	e mul	tiplication and	l divisi	ion fo	icts
1)	÷ —		21)	0.				
1) 2)	7 x 2	=	21)		x 6	=		
2) 2)	3 x 8 4 x 6	=	22)		x 9 x 7	=		
3) 4)	4 x 0 2 x 9	=	23) 24)		x	=		
-+, 5)	6 x 4		24)		x 3	=		
6)	8 x 4		26)		x 6	=		
7)	7 x 5	=	27)		x 5	=		
8)	9 x 10	=	28)		x 9	=		
9)	6 x 6	=	29)) x 7	=		
1)	6 x	= 18	-	1)	x 7	,	=	49
2)	8 x	= 16		2)	8 x		=	72
3)	×7	= 7		3)	x e	5	=	48
4)	x 9	= 45		4)	9 x	, ,	=	45
5)	7 x	= 21		5)	x7	,	=	63
6)	x 6	= 36		6)	6 x		=	36
7)	x 8	= 40		2) 7)	8 x		=	64
	9 x			1.1	xe	-	=	
	x8				x 9			
	x6				7 x			
	7 x				x8			
	x6				6 x			
	x 8				9 x			
	9 x				x8			
	6 x				x7			
	x8				9 x			
	x 9				xe			
	6 x				x			
	8 x				7 x			
	x9				x9			
201	^	- 10	-	5)	^			54

Steps to Success

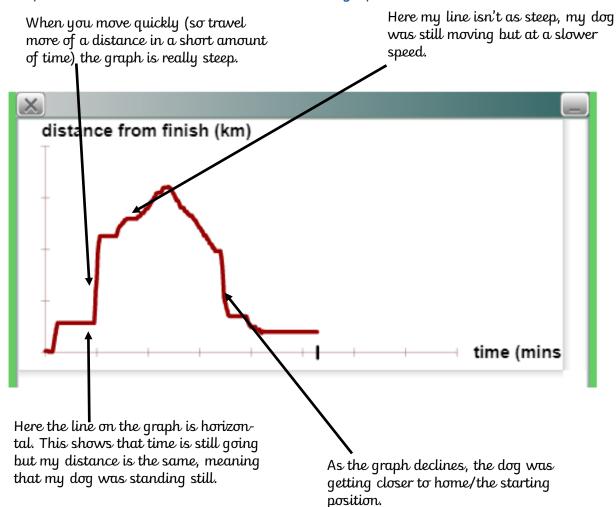
Date									
Subject/s									
Learning Objective									
	I understand distance time graphs								
		SA	TA						
		A	$\bigwedge^{\texttt{R}}_{\cdot}$						
Success Criteria	I can explain what the graph shows when there is a steep line, shallow line, horizontal line								
✓! 🗐	I know that the x axis shows the time								
v • •	I know the graphs can show: total distance, total time, and the slowest and fastest parts of the journey								
Support	Independent Adult Support () Group Work	·I							
Pre-task: Write a story and 3 questio the 3 graphs below.	ns for each of								
с 									

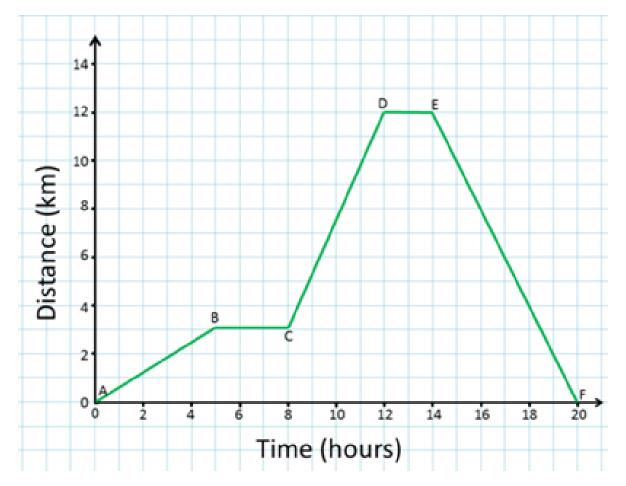
<u>Teacher Led</u>

https://nrich.maths.org/4803

Take your 'dog' for a walk on the activity above. What happens to the graph when you move your mouse quickly? What happens when you move your mouse slowly? What happens when your dog walks further away from the house? What happens if you don't move the mouse at all?

https://corbettmaths.com/2013/05/25/travel-graphs/





I can see that this person was travelling the fastest between points c and d because the graph is at the steepest. They travelled 9 km (difference between 3 and 12) in 4 hours (difference between 8 and 12).

I can see that they stopped for a break after 5 hours and they stopped for 3 hours (difference between 5 and 8). They also stopped between d and e for 2 hours.

To work out the speed that they were travelling between two points, I need to work out how long they were travelled for and how far they travelled.

Between E and F

Travelled 12km

It took them 6 hours.

Speed is written in per hour.

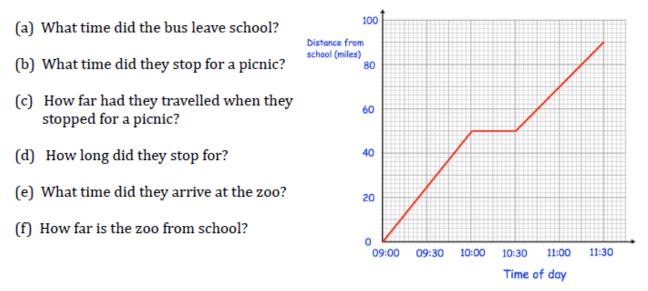
12km = 6 hours

2 km = 1 hour

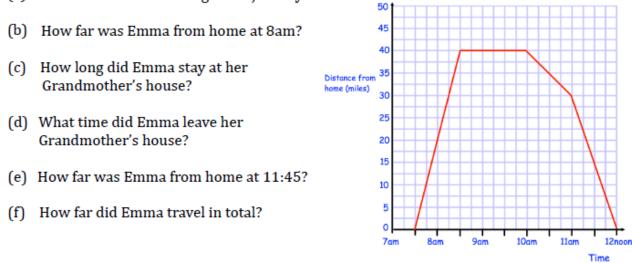
So 2km per hour was their speed.

<u>Fluency</u>

Question 1: The distance-time graph shows class 8A's journey to the zoo. They stopped for a picnic on the way to the zoo.

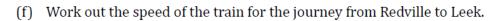


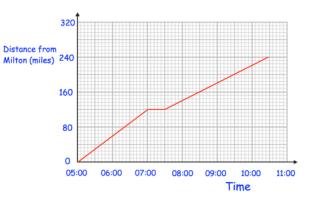
- Question 2: Emma travelled to her Grandmother's house and back. The distance-time graph shows information about her journey.
- (a) What time did Emma begin her journey?



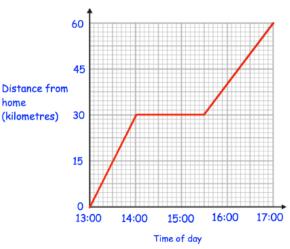
Question 3: A train travels from Milton to Redville, stops for 30 minutes, then travels to Leek.

- (a) How long did it take the train to travel from Milton to Redville?
- (b) How far is Redville from Milton?
- (c) Work out the speed of the train for the journey from Milton to Redville.
- (d) How long did it take the train to travel from Redville to Leek?
- (e) How far is Leek from Redville?

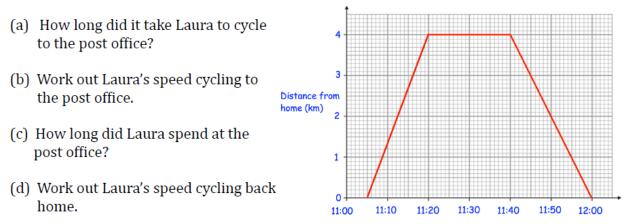




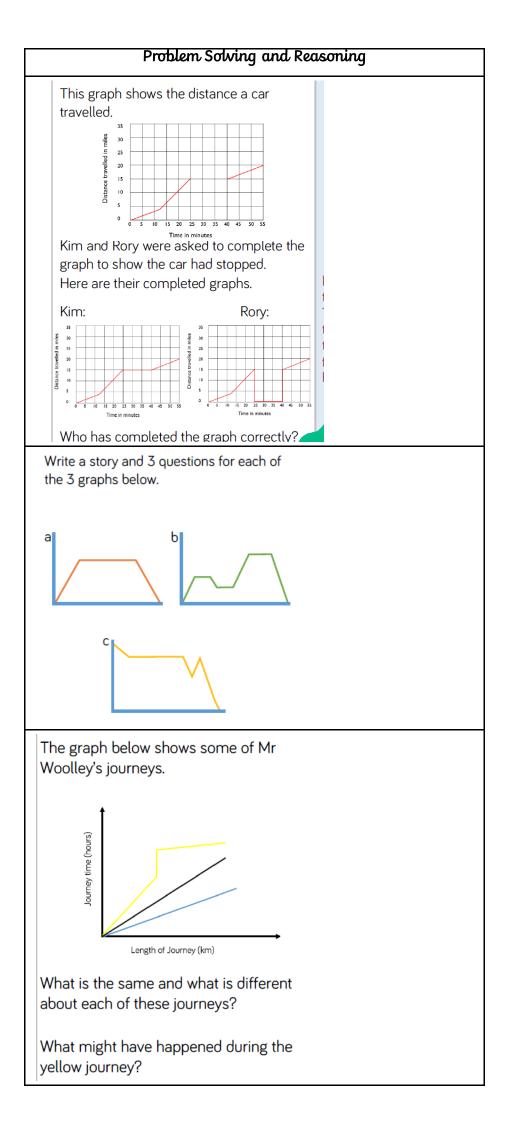
- Question 4: Ben drove 60 kilometres, from his home to Liverpool. He stopped and visited his friend Tim on the way.
- (a) Work out Ben's speed for the first part of his journey.
- (b) How long did Ben spend visiting Tim?
- (c) Work out Ben's speed for the last part of his journey.



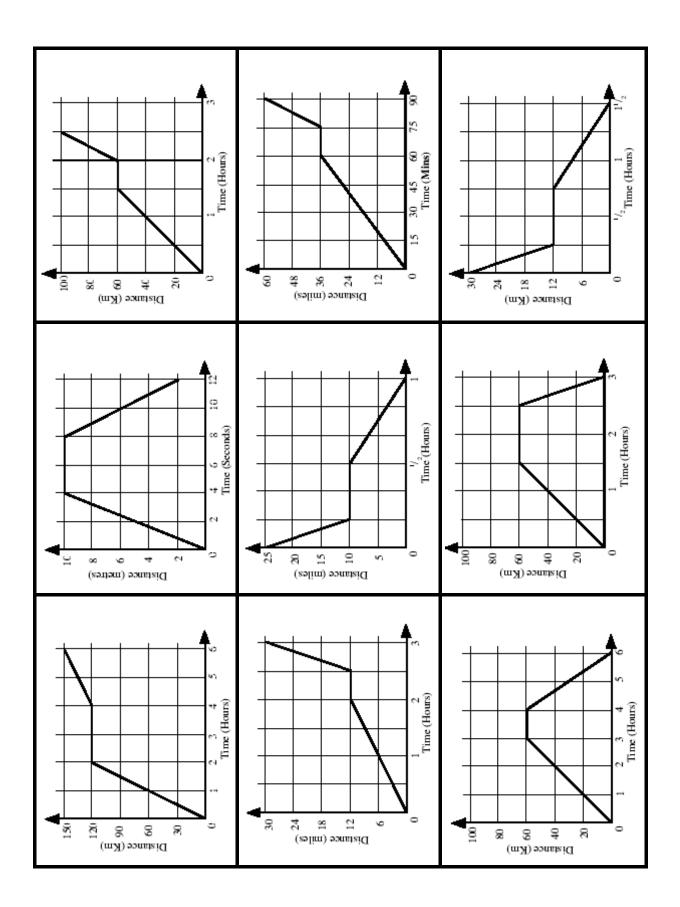
Question 5: Laura goes for a cycle from her house to the post office, 4km away.



Time of day



Match the graph to the correct explanation! Remember to look at the unit of measurement on the axis too!



A car travels at 60 km/h for 2 hours on the motorway. It stops at the service station for two hours , then travels in heavy traffic at 15 km/h for 30 km	A toddler rides his bike up the pavement for 10m . He then turns around and rides back. 2m from home , he hits a bump and falls off his bike .	A coach leaves the station at 10am and reaches Gloucester station at 11.30am. It stops here for half an hour. It then carries on for 30 minutes reaching Worcester 40 km later.
A cyclist rides for 2 hours travelling at 6 miles per hour. He then stops to rest for 30 minutes then con- tinues for a further 18 miles .	A train is travelling back to Bristol at a speed of 90 mph . A tree has fallen on the track at Bath and the train stops for 20 minutes while it is cleared. The train then travels the re- maining 10 miles slowly .	A motorbike rider rides for 36 miles at a steady speed. She stops to read the map for 15 minutes then rides for the re- maining 24 miles at a very illegal 112 mph.
A man drives to his friend's house at a steady speed of 20 km/h, stops for an hour then returns home in 2 hours.	A bus leaves school at 9am and gets to its destination at 10.30am . The chil- dren look around the museum for an hour then return back to school . The bus ar- rives back at midday .	A cyclist rides down- hill towards home for 15 minutes . At the bottom of the hill she stops for half an hour for a drink. She then continues uphill for the remaining 12 km .

Fluency Answers

Question 1(a): 09:00 or 9am

1(b): 10:00 or 10am

1(c): 50 miles

1(d): 30 minutes

1(e): 11:30 or 11:30am

1(f): 90 miles

Question 2(a): 07:30 or 7:30am

2(b): 20 miles

2(c): 1 hour and 30 minutes

2(d): 10:00 or 10am

2(e): 7.5miles

2(f): 80 miles (40 there and 40 back)

Question 3(a): 2 hours

3(b): 120 miles

3(c): 60mph

3(d): 3 hours

3(e): 120 miles

3(f): 40mph

Question 4(a): 30mph

4(b): 1 hour and 30 minutes

4(c) 20mph

Question 5(a): 15 minutes

5(b): 16mph

5(c): 20 minutes

5(d): 12mph

Ansı	vers							
Kim has completed the graph correctly. The car has still travelled 15 miles in total, then stopped for 15 minutes before carrying on.								
	octore carrying on.							
Possible responses: All the journeys were nearly the same length. The journeys all took different lengths of time. The black and blue journey were travelling at								
constant speeds but black was travelling quicker than blue. During the yellow journey, Mr Woolley might have been stuck in traffic. This might explain why								
the time increases but the length of the								

journey doesn't.

Date							
Subject/s Learning Objective	Maths						
	To recall and use multiplication and division facts						
3 × 4 =	7 × 8 =	9 ÷ 3 =	36 ÷ 12 =				
21 ÷ 7 =	8 × 6 =	12 × 4 =	10 × 8 =				
4 × 8 =	3 × 9 =	4 x 7 =	3 × 11 =				
40 ÷ 8 =	15 ÷ 3 =	27 ÷ 9 =	20 ÷ 4 =				
4 × 11 =	48 ÷ 6 =	8 ÷ 4 =	6 × 8 =				
5 × 8 =	11 × 3 =	5 × 8 =	80 ÷ 10 =				
24 ÷ 4 =	88 ÷ 11 =	24 ÷ 3 =	4 × 1 =				
72 ÷ 8 =	8 × 4 =	9 × 4 =	8 × 5 =				
10 × 3 =	16 ÷ 4 =	8 × 11 =	6 × 4 =				
5 × 4 =	32 ÷ 8 =	6 ÷ 3 =	3 ÷ 3 =				
12 ÷ 3 =	3 × 6 =	48 ÷ 12 =	44 ÷ 11 =				
4 × 9 =	8 ÷ 8 =	3 × 4 =	7 × 3 =				
11 × 8 =	4 × 3 =	0 × 8 =	12 × 8 =				
3 × 12 =	48 ÷ 8 =	18 ÷ 3 =	28 ÷ 4 =				
24 ÷ 8 =	30 ÷ 10 =	3 × 3 =	56 ÷ 7 =				
27 ÷ 3 =	8 × 9 =	64 ÷ 8 =	4 × 12 =				
7 × 4 =	10 × 4 =	36 ÷ 4 =	5 × 3 =				
36 ÷ 9 =	16 ÷ 8 =	8 x 8 =	56 ÷ 7 =				
56 ÷ 8 =	8 × 3 =	21 ÷ 3 =	4 × 6 =				
3 × 0 =	72 ÷ 9 =	4 × 12 =	32 ÷ 4 =				
12 ÷ 4 =	3 × 8 =	96 ÷ 12 =	12 × 3 =				
33 ÷ 3 =	4 × 4 =	24 ÷ 8 =	7 × 8 =				
6 × 3 =	9 × 8 =	2 × 3 =	9 × 3 =				
40 ÷ 4 =	4 ÷ 4 =	11 × 4 =	21 ÷ 3 =				
28 ÷ 7 =	3 x 7 =	32 ÷ 8 =	8 × 12 =				

Date	
Subject/s	Maths
Learning Objective	
80° ~	To apply and use maths to solve problems

A crime was committed at a sports centre. The funding for new exercise equipment was stolen. It was last seen on Friday afternoon when it was handed over by the fundraising team to the staff. The only clue left behind was a sports bag with five items inside. It was found by the manager.

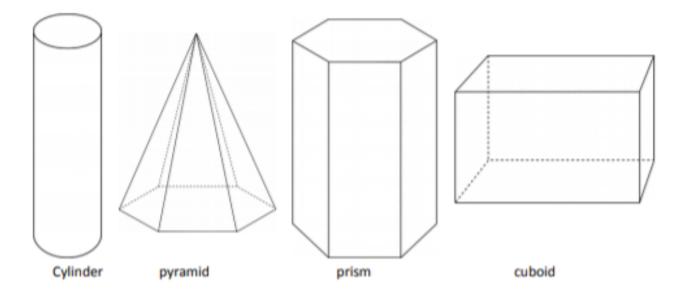
The manager and the bag have since vanished but before he did so he was able to list (in code) the 5 items in the bag. There are 32 suspects. Each item will eliminate half of them. Can you crack the codes to do this? What was in the bag? Who is guilty?

Forename	Surname	Sex	Hat	Mobile	Glasses	Smoke	Guilty?
Aisha	Khan	F	Yes	LG	Yes	Yes	
Ann	Sugden	F	Yes	HTC	No	Yes	
Brad	Tremble	М	No	Motorola	No	Yes	
Brian	Anderson	М	Yes	Samsung	No	Yes	
Eleanor	Watson	F	No	LG	No	No	
Gracie	Spencer	F	No	Samsung	Yes	No	
Gretta	Court	F	No	Samsung	No	No	
Hassan	Aziz	М	Yes	Samsung	No	No	
Henry	Plank	М	Yes	iphone	No	No	
Hubert	Williams	М	Yes	Nokia	No	Yes	
lan	Sanderson	Μ	No	Samsung	No	Yes	
India	Fluter	F	No	iphone	No	Yes	
Isobel	Travis	F	Yes	Samsung	No	No	
Jack	Bumstead	Μ	Yes	Samsung	Yes	No	
Jeremy	Windows	М	Yes	LG	Yes	Yes	
John	Garneer	М	No	Samsung	Yes	Yes	
Leila	Masters	F	No	emerald	Yes	Yes	
Malika	Obed	F	Yes	Motorola	Yes	No	
Manfred	Marbles	М	No	Nokia	No	No	
Mary	Latchford	F	Yes	Samsung	No	Yes	
Orla	Cook	F	No	Blackberry	Yes	No	
Rainbow	Drizzle	F	No	Samsung	No	Yes	
Rhianna	Shard	F	Yes	Samsung	Yes	Yes	
Saskia	Gases	F	Yes	Nokia	No	No	
Stan	Baines	М	No	Blackberry	Yes	Yes	
Stephanie	Biggins	F	No	Samsung	Yes	Yes	
Stuart	Robins	М	No	Samsung	Yes	No	
Summer	Roach	F	Yes	Samsung	Yes	No	
Terence	Knox	М	Yes	Samsung	Yes	Yes	
Tomas	Sminkles	М	Yes	iphone	Yes	No	
Tommy	Crispin	М	No	Nokia	Yes	No	
Usama	Iqbal	М	No	Samsung	No	No	

Clue 1—It's all in 3D

A =1, b=2, c=3 etc

1	Number of vertices a cone has
2	Number of vertices a hexagonal pyramid has
3	3 x the number of faces a cube has
4	Number of faces a square based pyramid has
5	Number of vertices of a square based pyramid
6	Twice the number of faces of a hexagonal pyramid
7	Number of vertices of an octagonal prism
8	Half the number of vertices of a pentagonal prism
9	Number of faces a sphere has
10	1 less than the number of edges a cuboid has
11	1 less than the vertices of a triangular prism
12	Number of vertices a tetrahedron has
13	Number of faces a hexagonal prism has
14	The number of circular faces a cone has
15	Twice the number of faces of an octagonal prism



Clue 2 - Divide and Conquer

You have to find out the highest number from 2,3,5,6 & 10 which will divide into each of the numbers below. How do you know if a number is a multiple of each of those factors ? There is no need for a calculator – for 2, 5 & 10, you look at the last digit of a number – even numbers are divisible by 2, numbers ending in 0 are divisible by 10 and numbers ending in 5 or 0 are divisible by 5.

To find out if a number is a **multiple of 3, add up the digits**. If the answer is a multiple of 3, then the number is. eg 258 : 2+5+8=15 (15 is a multiple of 3 so 258 is).

Multiples of 6 are even and divisible by 3. eg 72 – even and 7 +2=9 (divisible by 3)

Number of	Highest factor								
digits in number	2	3	5	6	10				
2	а	е	i	0	u				
3	b	С	d	f	g				
4	h	j	k	I	m				
5	n	р	r	S	t				
6	v	w	q	У	z				

Number	Highest Factor	letter
34		
12845		
81		
357		
27		
65		
14637		
87540		
348		
98645		
78		
6450		
26322		
16803		
99		
123		

Number	Highest Factor	letter
84642		
82		
365848		
39		
87625		
41532		
654		
84		
38475		
129		
96		
87622		
74160		
92		
831		
45710		
84132		

Draw 8 lines with perfect accuracy to get 8 words. Rearrange the order to get the clue.

the	male	iron	female	glasses	freckles
а	hat	skirt	beard	for	he
wears	tights	no	murderer	knife	gun
neck	face	escape	she	cigars	case
cigarettes	smoke	mobile	inhale	unhealthy	running
cold	kill	rope	candlestick	library	kitchen
plum	prison	green	mustard	police	white

A B C	-
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D

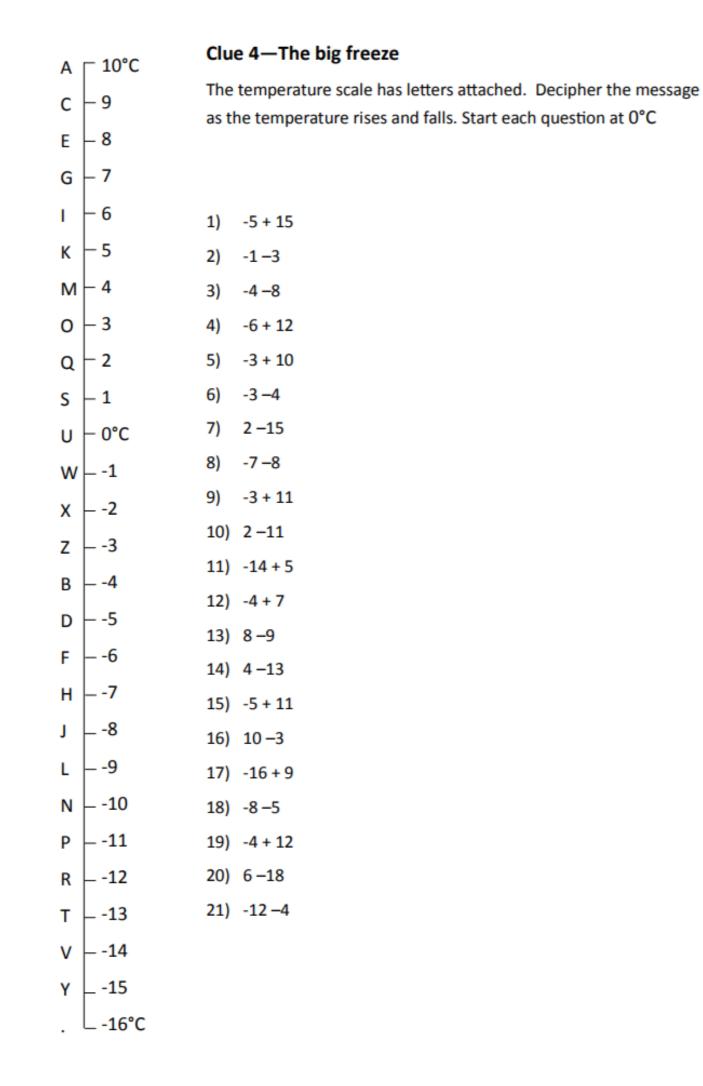
dead	alive	gun	run	clue	no
нтс	Samsung	Nokia	iphone	code	Motorola
yes	poison	sugar	cheeks	face	DNA
а	the	vital	Blackberry	phone	escape
charger	treasure	LG	Cookie	text	bury
spots	Boots	chest	ink	invisible	new
secret	fish	passage	stairs	guilty	old

F ----

G

н

BAX	100°	AX	5.7cm
ABY	128°	BY	7.3cm
DCZ	132°	CZ	4.0cm
CDM	81°	DM	3.9cm
GFR	24°	FR	10.0cm
FGW	34°	GW	7.0cm
ІНТ	27°	нт	4.8cm
HIQ	29°	IQ	12.3cm



Clue 5 – Null Points

This clue includes lots of nulls – letters put in to disguise the real message. Remove the nulls and everything will be clear.

21	46	9	97	68	46	81	100	29	6	49	31	33	775	85	39	28	17	19	72
d	r	е	а	m	у	b	а	b	У	d	0	Ι	I	р	r	е	t	t	У

87	60	81	8	43	13	24	36	72	45	82	27	1	37	165	64	55	47	58	35
I	i	t	t	-	е	f	Ι	u	f	f	у	m	0	u	S	e	f	а	t

2	13	93	76	14	25	69	73	67	215	95	99	79	121	12	86	63	83	9	70
r	а	t	m	У	S	0	f	t	&	С	r	е	а	m	у	t	r	u	е

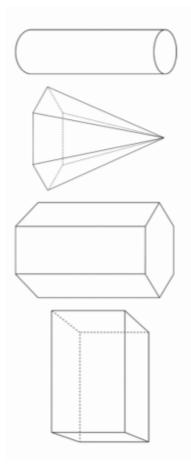
145	71	23	92	144	15	42	77	16	89	94	26	9	59	57	98	51	4	52	53
а	S	h	i	n	e	g	-	е	а	m	f	а	×	0	u	r	i	t	е

Cross out these numbers and the letters below them:

- 1. All square numbers.
- 2. All multiples of 5
- 3. All even numbers
- 4. All multiples of 11
- 5. All multiples of 3

Clue 1—It's all in 3D

1	Number of vertices a cone has	1	a
2	Number of vertices a hexagonal pyramid has	7	σ
ω	3 x the number of faces a cube has	18	~
4	Number of faces a square based pyramid has	ъ	n
σ	Number of vertices of a square based pyramid	σ	æ
6	Twice the number of faces of a hexagonal pyramid	14	5
7	Number of vertices of an octagonal prism	16	ъ
∞	Half the number of vertices of a pentagonal prism	5	e
9	Number of faces a sphere has	1	a
10	1 less than the number of edges a cuboid has	11	~
11	1 less than the vertices of a triangular prism	5	a
12	Number of vertices a tetrahedron has	4	٩
13	Number of faces a hexagonal prism has	80	5
14	The number of circular faces a cone has	1	<u>م</u>
15	Twice the number of faces of an octagonal prism	20	



Clue 2 - Divide and Conquer

You have to find out the highest number from 2,3,5,6 & 10 which will divide into each of the numbers below. How do you know if a number is a multiple of each of those factors ?

There is no need for a calculator – for 2, 5 & 10, you look at the last digit of a number – even numbers are divisible by 2, numbers ending in 0 are divisible by 10 and numbers ending in 5 or 0 are divisible by 5.

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Multiples of 6 are even and divisible by 3. eg 72 - even and 7 +2=9 (divisible by 3)

6	5	4	3	2	digits	Number of
<	n	Ч	Ь	а	2	
W	p	_;	с	e	3	
q	٦	×	d		5	Highest factor
У	S	_	f	0	6	
z	t	м	σα	c	10	

123	66	16803	26322	6450	78	98645	348	87540	14637	65	27	357	81	12845	34	Number
ω	з	з	6	10	2	5	6	10	з	5	з	ω	з	5	2	Highest Factor
0	m	Ρ	s	≤	0	R	Ŧ	٦	Ρ	-	m	0	m	R	Þ	letter

84132	45710	831	92	74160	87622	96	129	38475	84	654	41532	87625	39	365848	82	84642	Number
6	10	з	2	10	2	6	ω	S	6	6	6	S	з	2	2	6	Highest Factor
s	-	0	₽	-	z	0	C	R	0	т	s	R	m	<	Þ	s	

T	=	T	0	0	0	Þ	в	1												c					Draw 8 lir the clue.
HIQ	IHT	FGW	GFR	CDM	DCZ	АВҮ	BAX		Ŧ	secret	spots	charger	۳	yes	нтс	dead	»	plum	cold	cigarettes	neck	wears	-	the	nes with _l
29°	27°	34°	24°	81°	132°	128°	100°			fish	Boets	treasure	the	poison	Samsung	alive		prison	kill	smoke	face	tights	hat	male	Clue 3 perfect acc
ā	нт	GW	FR	DM	CZ	ВҮ	AX			passage	chest	١G	vita	sugar	Nokia	gun	l	green	Rope	mobile	escape	no	skirt	plonker	-A new ar uracy to ge
12.3cm	4.8cm	7.0cm	10.0cm	3.9cm	4.0cm	7.3cm	5.7cm		е н N	stairs	ink	Cookie	Blackberry	cheeks	iphone	run	ĩ	Rnustard	capdlestick	inhale	she	murderer	beard	female	Clue 3 –A new angle on the case. ct accuracy to get 8 words. Rearra
										guilty	invisible	text	phone	face	code	clue		police	library	unhealthy	cigars	knife	for	glasses	case. learrange th
									/	old	new	bury	escape	DNA	Motorola	no	D	white	kitchen	running	case	gun	he	freckles	Clue 3 – A new angle on the case. Draw 8 lines with perfect accuracy to get 8 words. Rearrange the order to get the clue.
																									et
. L-16°C	Υ15						N10	6 1	8 I	н — -7	F6	D5	в – -4	Z3	X2	W1	U - 0°C	S - 1	Q - 2	0 - 3	M - 4	K - 5	I - 6	G - 7	A ☐ 10°C E — 8
, L-16°C				21) -12 -4	-12 20)	11 19)	10 18) -8 -5	1	16)	7 15)	6 14) 4-13					-1	– 0°C 7)		1				I -6 1) -5+15 A		

Cross out these numbers and the letters below them:

1. All square numbers.

2. All multiples of 5

3. All even numbers

- 4. All multiples of 11
- 5. All multiples of 3

Date	
Subject/s	Maths
Learning Objective	
	To recall and use multiplication and division facts

1	9 X 7	30	6 x 9	59	9 X 4	
2	8 x 4	31	12 x 3	60	7 x 6	
3	7 x 10	32	3 x 8	61	4 x 8	
4	9 x 9	33	8 X 8	62	12 X 2	
5	6 x 2	34	6 x 8	63	3 x 6	
6	4 x 7	35	11 x 7	64	4 x 10	
7	9 X 2	36	10 x 1	65	9 x 11	
8	12 x 12	37	10 x 5	66	3 x 12	
9	5 X 9	38	3 x 5	67	3 x 10	
10	7 X 7	39	12 x 11	68	4 X 4	
11	11 x 6	40	6 x 6	69	4 x 9	
12	5 x 11	41	2 x 9	70	4 x 11	
13	4 x 6	42	12 x 7	71	6 x 5	
14	9 x 5	43	11 x 8	72	7 x 2	
15	8 X 12	44	2 x 6	73	5 x 12	
16	10 x 10	45	4 x 5	74	2 x 10	
17	7 x 3	46	4 x 9	75	4 x 12	
18	5 x 8	47	8 x 2	76	7 x 8	
19	3 x 3	48	7 x 9	77	6 x 10	
20	10 x 11	49	12 x 8	78	12 x 6	
21	11 x 2	50	9 X 4	79	7 x 12	
22	2 x 7	51	5 X 5	80	2 X 2	
23	6 x 12	52	10 x 12	81	11 x 0	
24	5 x 7	53	8 x 11	82	2 x 12	
25	10 x 6	54	4 x 3	83	2 X 4	
26	9 x 12	55	2 x 5	84	8 x 5	
27	5 x 4	56	5 x 10	85	7 x 11	
28	11 x 11	57	9 x 3	86	9 x 6	
29	7 x 4	58	8 x 10	87	10 x 11	

Date	
Subject/s	Maths
Learning Objective	
	To investigate with pentominoes

What are pentominoes?

Pentominoes are shapes made by joining 5 squares together.

Squares must touch along their sides, not their corners, like these:

Challenge 1

There are **12** different pentominoes to find - you have already seen 2 of them. Be careful though - rotations and reflections do not count. For example:

These are all the same pentomino!

Working on your own or with a partner see if you can make all 12 <u>pentominoes</u>.

Choosing a different colour for each pentomino will make it easier for you to spot the different combinations.



Now that you have all 12 pentominoes (hopefully!), you are ready for the next challenge.

Using your 12 pentominoes, see if you can combine them to make a rectangle/cuboid.

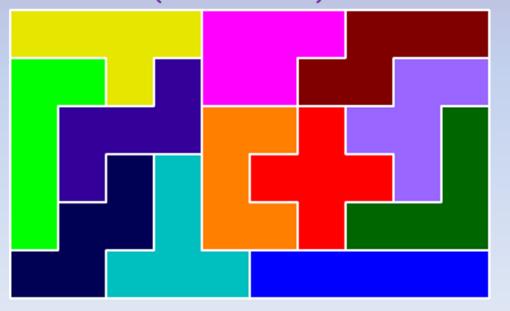
It should be possible to make at least 4 different sizes of rectangles/cuboids.

- There should not be any gaps in your shape.
- There should not be any overlapping squares/cubes.
- There should not be any squares/cubes sticking out from the shape.
- You must use all 12 pentominoes.

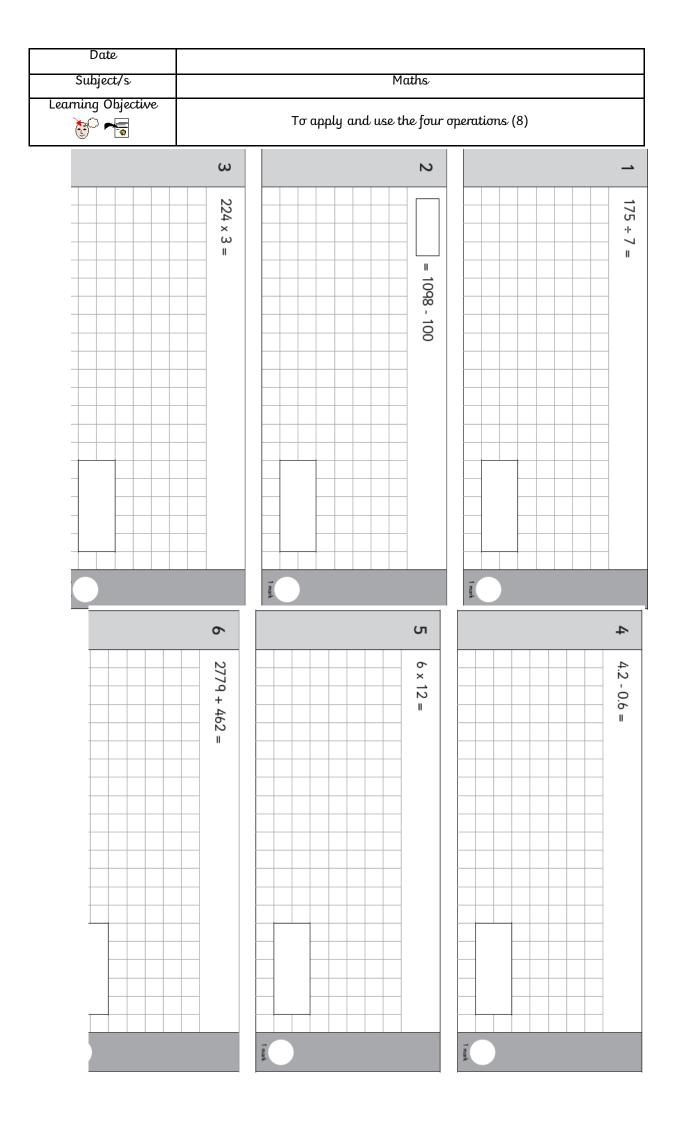


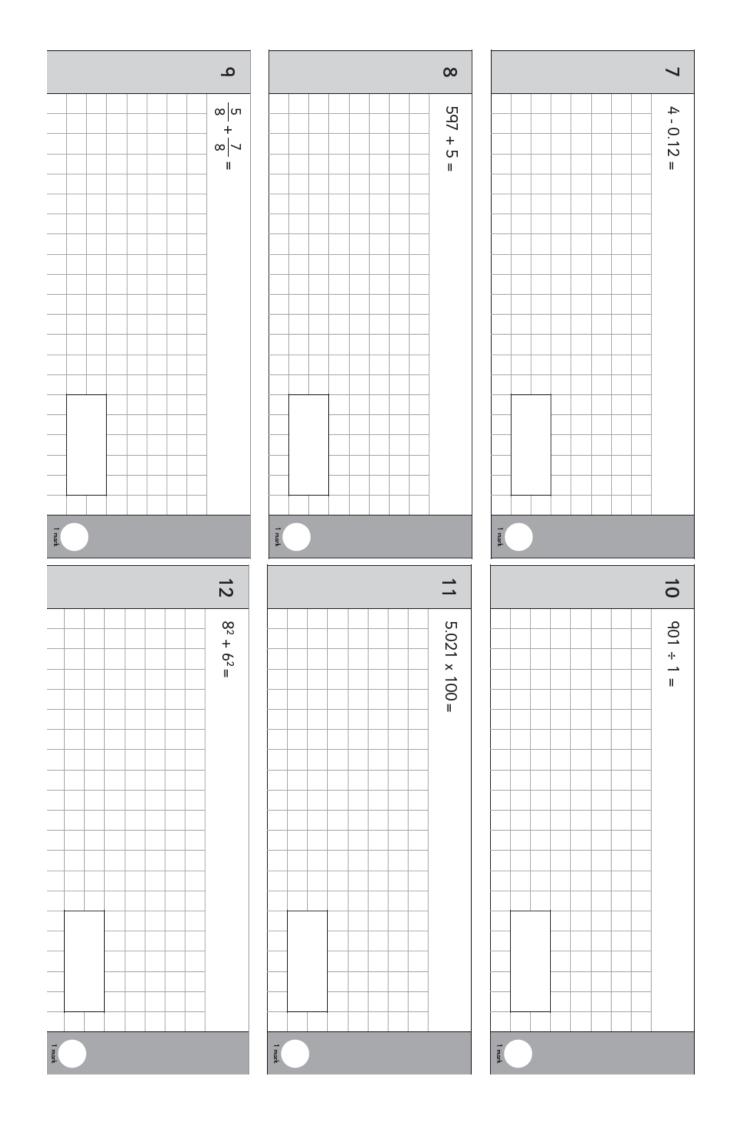
Challenge 2

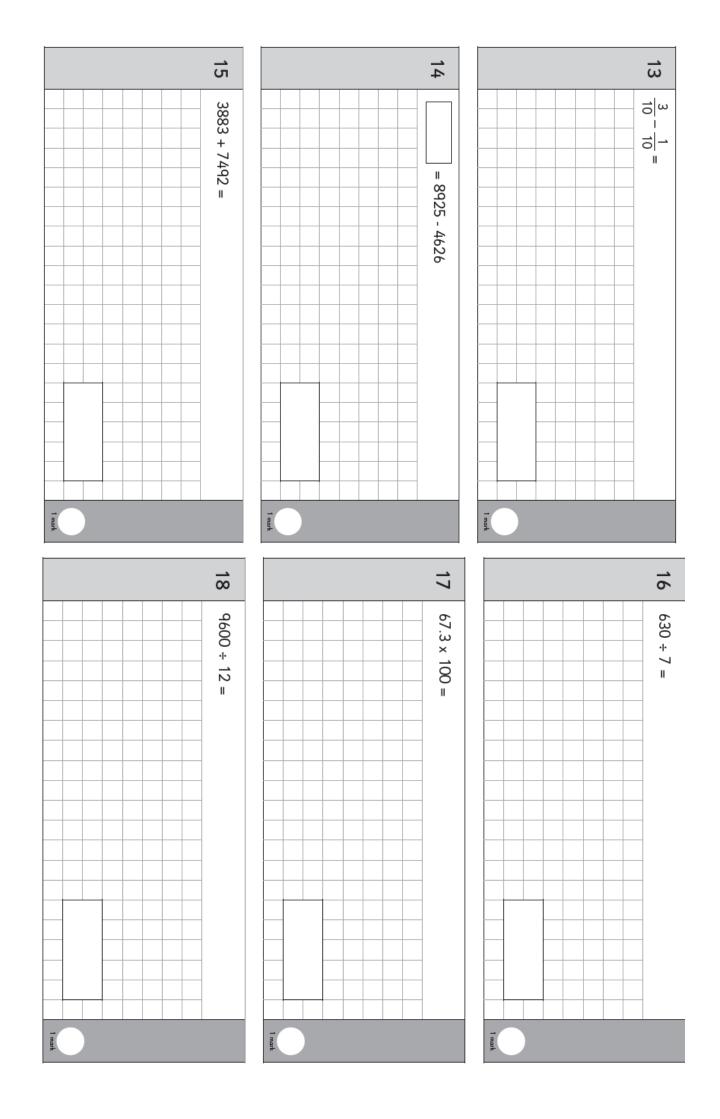
One solution for a 6x10 rectangle (6x10x1 cuboid)

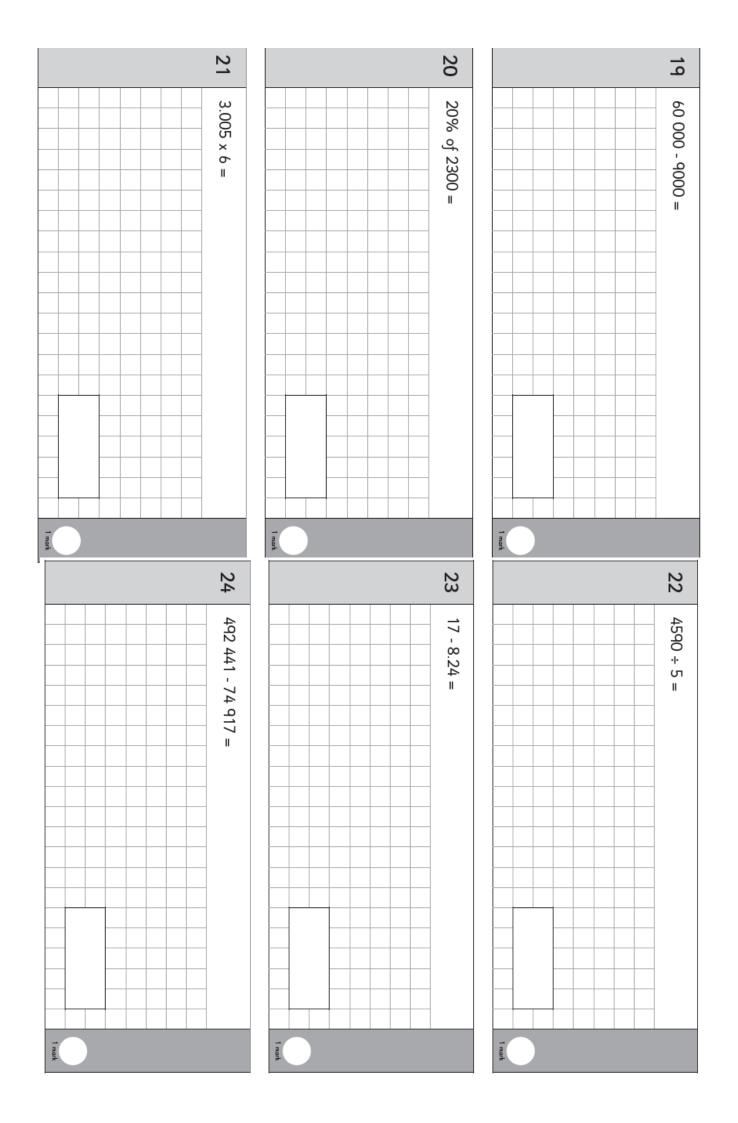


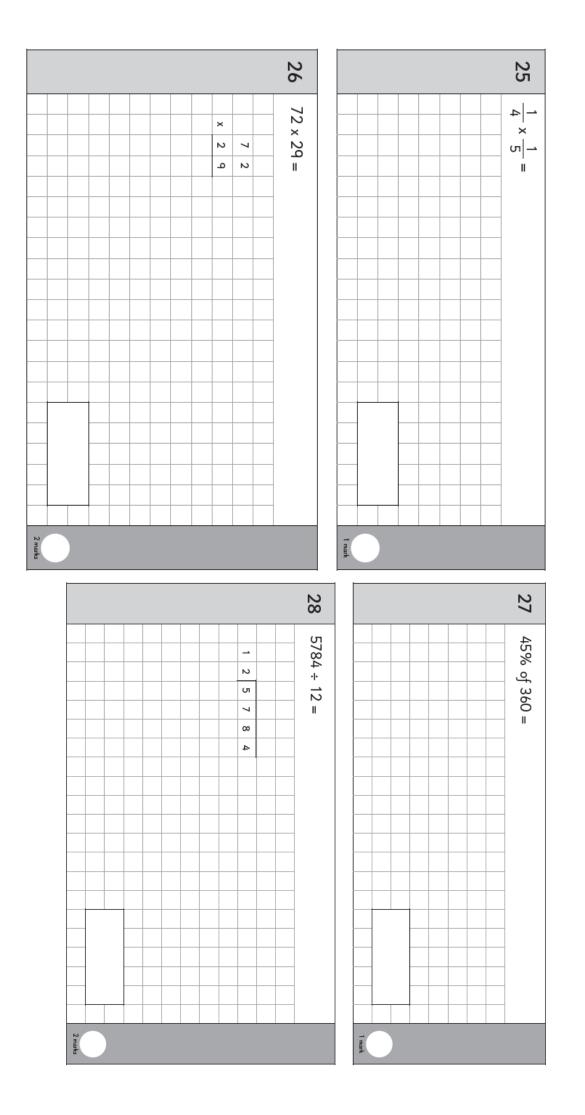
Date			
Subject/s Learning Objective		Maths	
	To recall and us	e multiplication and division	facts
2 × 2 =	3 × 3 =	4 × 4 =	11 × 10 =
3 × 5 =	6 × 8 =	7 × 5 =	10 × 2 =
4 × 6 =	12 × 5 =	8 × 12 =	3 × 12 =
7 × 4 =	8 × 6 =	10 × 11 =	4 × 9 =
10 × 10 =	10 × 12 =	4 x 2 =	5 x 7 =
9 × 3 =	11 × 2 =	10 × 3 =	9 × 8 =
7 x 2 =	3 × 9 =	6 × 8 =	10 x 7 =
11 × 3 =	4 × 11 =	12 × 10 =	7 x 8 =
10 × 5 =	2 × 5 =	2 × 11 =	4 x 3 =
2 × 4 =	6 × 10 =	8 × 3 =	12 × 4 =
5 × 6 =	10 × 9 =	3 × 4 =	5 x 8 =
7 × 10 =	2 × 12 =	4 × 5 =	8 × 8 =
9 × 2 =	5 × 3 =	7 × 8 =	12 × 2 =
3 × 11 =	9 × 4 =	8 × 10 =	5 × 4 =
10 × 4 =	5 × 5 =	2 × 8 =	9 × 5 =
8 × 5 =	8 × 8 =	8 × 0 =	8 × 11 =
9 × 8 =	9 × 10 =	4 × 12 =	2 × 10 =
4 × 10 =	5 × 2 =	12 × 8 =	4 × 7 =
3 × 2 =	6 × 3 =	3 × 6 =	11 × 5 =
7 × 3 =	6 × 4 =	5 × 10 =	2 × 3 =
4 × 8 =	5 × 11 =	8 × 2 =	8 × 9 =
5 × 9 =	2 × 6 =	3 × 7 =	8 x 4 =
12 × 8 =	3 × 10 =	11 × 4 =	11 × 8 =
2 × 9 =	2 × 7 =	5 × 12 =	12 × 3 =
10 × 8 =	3 x 8 =	0 × 4 =	8 x 7 =

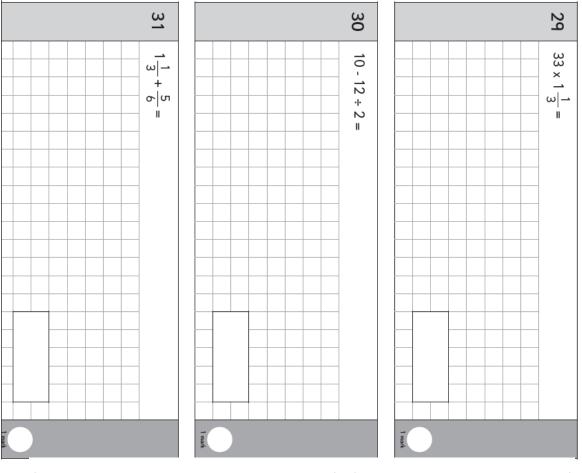


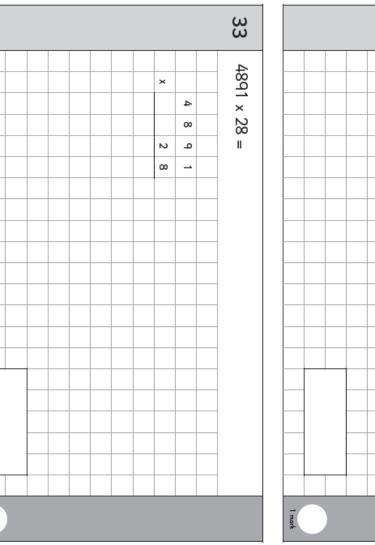


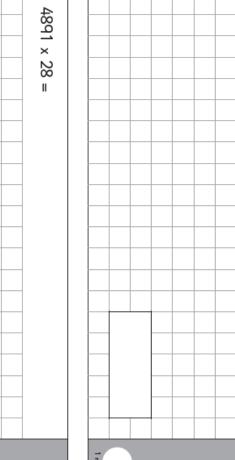






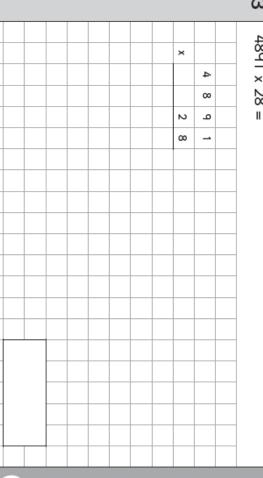




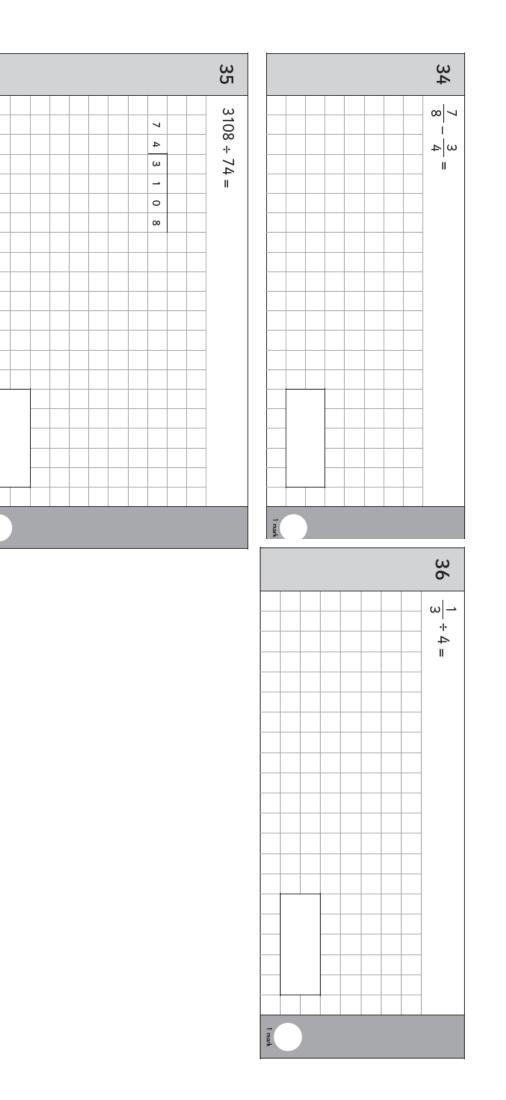


32

 $\frac{4}{5} \div 4 =$



2 marks



2 marks

Answers,

question	answer	marks
1	25	1
2	998	1
3	672	1
4	3.6	1
5	72	1
6	3241	1
7	3.88	1
8	602	1
9	12 or 3 or 1 4 or 1 1 8 or 2 or 1 8 or 1 2	1
10	901	1
11	502.1	1
12	100	1
13	2 or 1/5	1
14	4299	1
15	11 375	1
16	90	1
17	6730	1
18	800	1
19	51 000	1
20	460	1
21	18.03	1

question	answer	marks
22	918	1
23	8.76	1
24	417 524	1
25	<u>1</u> 20	1
26	2088	2
27	162	1
28	482	2
29	44	1
30	4	1
31	2 <u>1</u> 6	1
32	<u>1</u> 5	1
33	136 948	2
34	<u>-1</u> 8	1
35	42	2
36	<u>1</u> 12	1
		Total 40