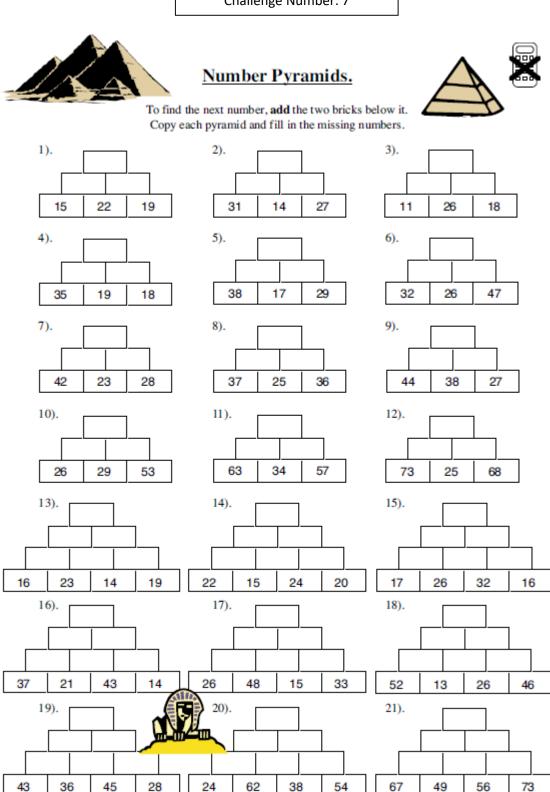
1) Write out the 2x, 4x and 8x tables in your Maths Homework Book and complete the test at school. Can you spot any patterns?	2) Write out the 3x, 6x and 9x tables in your Maths Homework Book and complete the test at school. Can you pot any patterns?	3) Write out the 8x, 9x and 10x tables in your Maths Homework Book and complete the test at school.	4) Complete the Place Value and Ordering Numbers Activity sheets.	5) Complete the Number to Words and Words to Number Activity sheets.
5 Points	5 Points	5 Points	5 Points	5 Points
6) Complete the Counting forwards and backwards Word Problem sheet.	7) Complete the Addition Number Pyramid Activity sheet	8) Complete the Fraction Grid Activity sheets.	9) Complete the Equivalent Fraction Activity sheets.	10) Complete the ½ of amounts activity sheets
5 Points	5 Points	5 Points	5 Points	5 Points
11) Complete the Rounding to the nearest 10,000 Activity sheets.	12) Complete the Roman Numeral Activity sheets.	13) Complete the Hydra Equivalent Fraction colouring in sheet.	14) Complete the Multiplication grids Activity sheet.	15) Complete the Rounding to the nearest 10,100, 1000 Activity sheets.
10 Points	10 Points	10 Points	10 Points	10 Points
16) Complete the Metric units - Lengths Activity sheets.	17) Complete the Multiplication and Division Activity sheets.	18) Complete the Parrot Decimal Place Value colouring in sheet.	19) Complete the Solids – 3D shapes Activity sheets	20) Complete the Reflections Activity sheets
10 Points	10 Points	10 Points	10 Points	10 Points

Challenge Number: 7



Challenge Number: 16



#### Metric Units -Lengths.

Change the following to millimetres (mm).

				[	1 ci	m = 10 mm				
	1).	3 cm	9).	11 cm	17).	1 cm 6 mm	25).	8 cm 1 mm	33).	13 cm 4 mm
1	2).	4 cm	10).	14 cm	18).	1 cm 3 mm	26).	9 cm 5 mm	34).	12 cm 8 mm
	3).	1 cm	11).	12 cm	19).	1 cm 9 mm	27).	7 cm 3 mm	35).	16 cm 3 mm
4	4).	6 cm	12).	17 cm	20).	2 cm 1 mm	28).	6 cm 8 mm	36).	23 cm 7 mm
1	5).	5 cm	13).	20 cm	21).	2 cm 7 mm	29).	4 cm 4 mm	37).	19 cm 6 mm
(	6).	8 cm	14).	19 cm	22).	3 cm 2 mm	30).	9 cm 6 mm	38).	29 cm 2 mm
1	7).	9 cm	15).	25 cm	23).	4 cm 9 mm	31).	8 cm 9 mm	39).	31 cm 1 mm
1	8).	2 cm	16).	24 cm	24).	7 cm 6 mm	32).	$6\mathrm{cm}7\mathrm{mm}$	40).	20 cm 2 mm

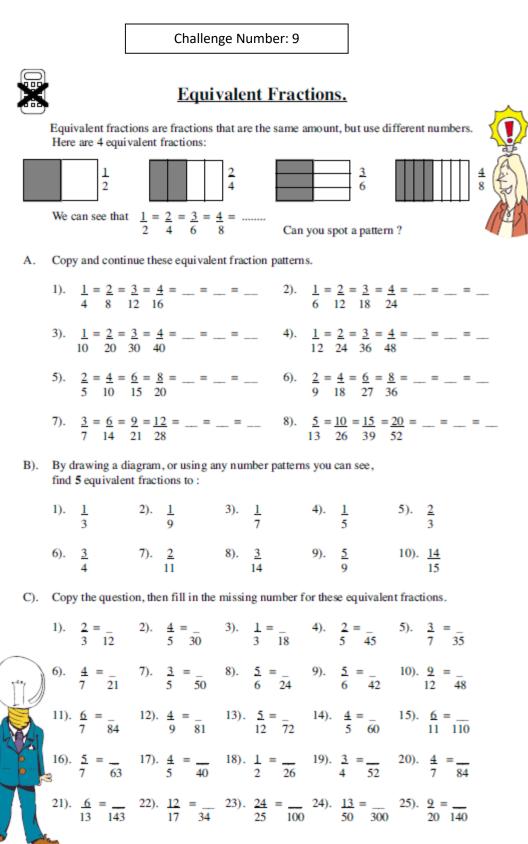
B). Change the following to centimetres (cm) and millimetres (mm) .

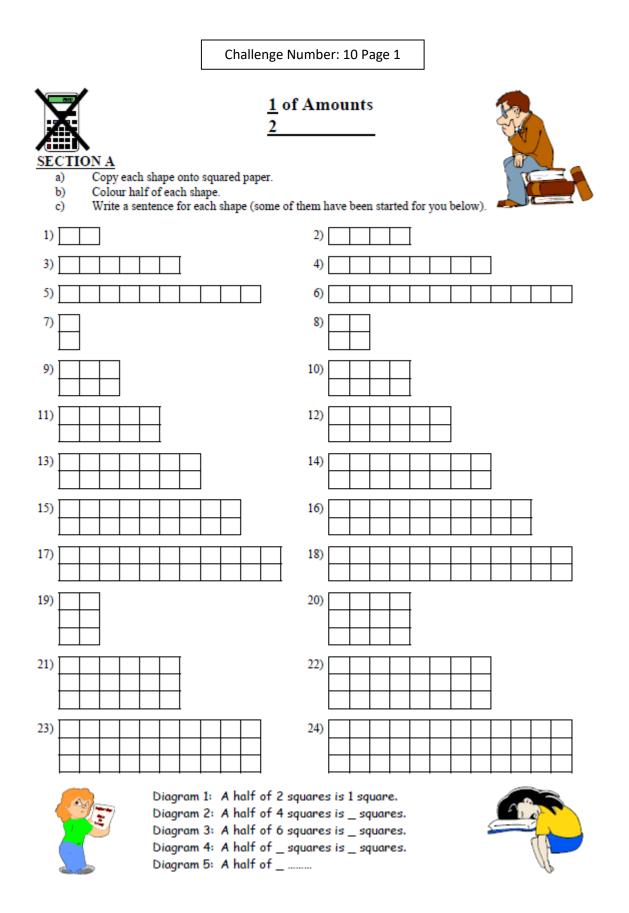
				10				- huinin	
				10 1	nm = 1 cm				
1).	39 mm	9).	70 mm	17).	39 mm	25).	100 mm	33).	190 mm
2).	12 mm	10).	98 mm	18).	26 mm	26).	108 mm	34).	211 mm
3).	27 mm	11).	87 mm	19).	18 mm	27).	116 mm	35).	243 mm
4).	50 mm	12).	25 mm	20).	31 mm	28).	103 mm	36).	270 mm
5).	42 mm	13).	46 mm	21).	21 mm	29).	125 mm	37).	315 mm
6).	83 mm	14).	90 mm	22).	84 mm	30).	143 mm	38).	426 mm
7).	61 mm	15).	37 mm	23).	76 mm	31).	180 mm	39).	904 mm
8).	92 mm	16).	71 mm	24).	99 mm	32).	148 mm	40).	671 mm

C). Change the following to centimetres (cm).

				1 m	= 100 cm	]			
1).	4 m	9).	10 m	17).	1 m 42 cm	25).	3 m 9 cm	33).	10 m 16 cm
2).	3 m	10).	14 m	18).	1 m 7 cm	26).	3 m 90 cm	34).	13 m 67 cm
3).	2 m	11).	19 m	19).	1 m 70 cm	27).	6 m 31 cm	35).	18 m 4 cm
4).	1 m	12).	15 m	20).	1 m 73 cm	28).	8 m 28 cm	36).	22 m 30 cm
5).	6 m	13).	21 m	21).	1 m 50 cm	29).	7 m 5 cm	37).	28 m 19 cm
6).	8 m	14).	27 m	22).	2 m 86 cm	30).	9 m 65 cm	38).	30 m 6 cm
7).	9 m	15).	35 m	23).	1 m 72 cm	31).	4 m 17 cm	39).	30 m 60 cm
8).	7 m	16).	42 m	24).	2 m 98 cm	32).	5 m 89 cm	40).	61 m 73 cm
D).	D). Change the following to metres (m) and centimetres (cm) .								

				100	) cm = 1 m			ont	mm
1).	126 cm	9).	247 cm	17).	498 cm	25).	1031 cm	33).	2504 cm
2).	149 cm	10).	224 cm	18).	683 cm	26).	1080 cm	34).	3007 cm
3).	100 cm	11).	341 cm	19).	823 cm	27).	1084 cm	35).	4734 cm
4).	138 cm	12).	208 cm	20).	398 cm	28).	1145 cm	36).	6280 cm
5).	108 cm	13).	390 cm	21).	806 cm	29).	1250 cm	37).	9401 cm
6).	180 cm	14).	436 cm	22).	560 cm	30).	1328 cm	38).	3792 cm
7).	165 cm	15).	732 cm	23).	703 cm	31).	1742 cm	39).	9060 cm
8).	118 cm	16).	562 cm	24).	730 cm	32).	1845 cm	40).	8342 cm





Challenge Number: 10 Page 2

<u>SECTION B</u> Copy and complete the following table. The first one has been done for you.

1 1 1 1 1 1 1 1	<sup>1</sup> / <sub>2</sub> of 6 pencils	=	3 pencils
$^{2}$ XXXXXXXX	<sup>1</sup> / <sub>2</sub> of 8 scissors	=	scissors
<sup>3</sup> ararararararararar	<sup>1</sup> / <sub>2</sub> of glasses	=	glasses
4	1/2 of books	=	
	<sup>1</sup> / <sub>2</sub> of <u>letters</u>	=	
	<sup>1</sup> / <sub>2</sub> of phones	=	
	<sup>1</sup> / <sub>2</sub> of <u>letters</u>	=	
<sup>8</sup> ++++++++++++++++++++++++++++++++++++	<sup>1</sup> / <sub>2</sub> of planes	=	
<sup>9</sup> <b></b>	<sup>1</sup> / <sub>2</sub> of <u>stars</u>	=	
<sup>10</sup> <b>++++++++++++++++++++++++++++++++++++</b>	<sup>1</sup> / <sub>2</sub> of <u>crosses</u>	=	
444444444444444444444444444444444444444	<sup>1</sup> / <sub>2</sub> of flags	=	
1200000000000000	<sup>1</sup> / <sub>2</sub> of faces	=	
	1/2 of PCs	=	
14. 6 <sup>-36</sup>	<sup>1</sup> / <sub>2</sub> of bombs	=	
	<sup>1</sup> / <sub>2</sub> of <u>discs</u>	=	
<sup>16</sup> 4444444	<sup>1</sup> / <sub>2</sub> of <u>arrows</u>	=	
	<sup>1</sup> / <sub>2</sub> of <u>triangles</u>	=	
<sup>18</sup>	<sup>1</sup> / <sub>2</sub> of <u>mice</u>	=	
<sup>19</sup> 19 19 19 19 19 19 19 19 19 19 19 19 19	<sup>1</sup> / <sub>2</sub> of post boxes	=	
20.000000000000000000000000000000000000	<sup>1</sup> / <sub>2</sub> of squares	=	



SI	ECT	ION	C
Co	opy ar	ıd con	nplete:

	V			
1. 1/2 of 4 =	2. 1/2 of 6 =	<ol> <li><sup>1</sup>/<sub>2</sub> of 20 =</li> </ol>	4. 1/2 of 10 =	5. 1/2 of 16 =
6. <sup>1</sup> / <sub>2</sub> of 18 =	7. 1/2 of 14 =	<ol> <li><sup>1</sup>/<sub>2</sub> of 2 =</li> </ol>	9. 1/2 of 8 =	10. 1/2 of 12 =
11. <sup>1</sup> / <sub>2</sub> of 40 =	12. 1/2 of 60 =	13. 1/2 of 100 =	14. <sup>1</sup> / <sub>2</sub> of 80 =	15. 1/2 of 200 =
16. <sup>1</sup> / <sub>2</sub> of 30 =	17. 1/2 of 70 =	18. 1/2 of 50 =	19. <sup>1</sup> / <sub>2</sub> of 90 =	20. 1/2 of 300 =
21. 1/2 of 22 =	22. 1/2 of 28 =	23. 1/2 of 24 =	24. 1/2 of 42 =	25. 1/2 of 48 =
26. 1/2 of 26 =	27. 1/2 of 46 =	28. 1/2 of 62 =	29. 1/2 of 68 =	30. 1/2 of 64 =
31. 1/2 of 82 =	32. 1/2 of 88 =	33. 1/2 of 86 =	<sup>34. 1</sup> /2 of 66 =	35. 1/2 of 32 =
36. <sup>1</sup> / <sub>2</sub> of 38 =	37. <sup>1</sup> / <sub>2</sub> of 34 =	38. 1/2 of 52 =	39. <sup>1</sup> /2 of 58 =	40. 1/2 of 36 =

5).

х

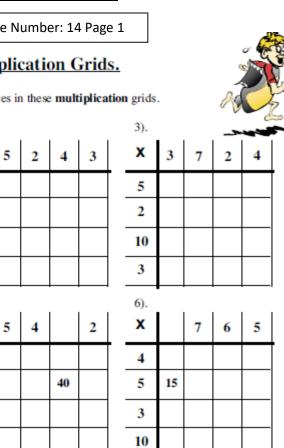
Challenge Number: 14 Page 1

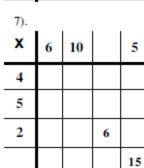
#### **Multiplication Grids.**

1). Х

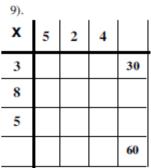
4).

х

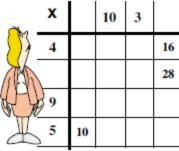


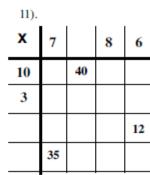


	8).			
	x	4		
	7			
	5		25	
5	9			

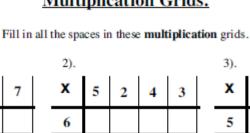






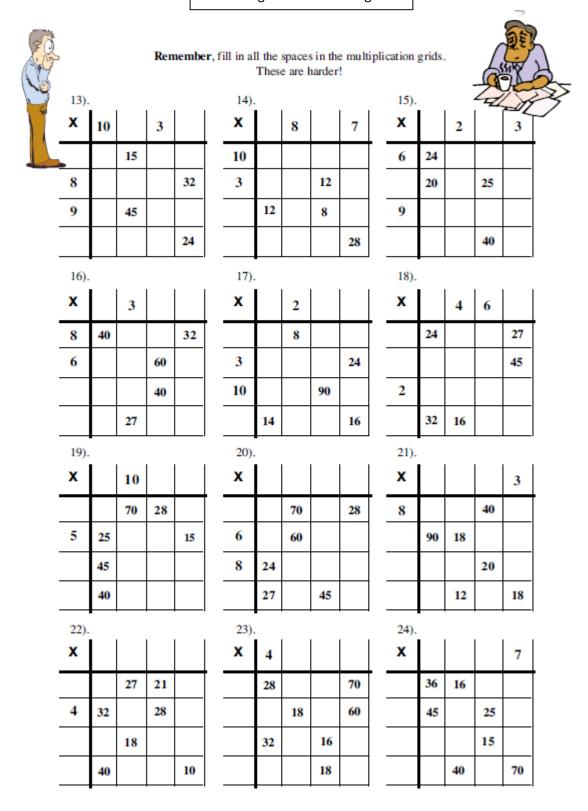


-				
X	3			5
7		14		
9				
		8	16	
8				



12).

Challenge Number: 14 Page 2



Challenge Number: 15

O		Rou	nding	to th	e Nea	rest 1	. 10.	100 and	1 100	0.
Ж,	<b>10</b> 11		-							28 29 30 31
Т	he num	ber line a	bove may	y help yo	ou solve ti	he first t	en quest	ions of this	section	$\sim$
<b>A</b> )	). Rou	nd the fol	lowing n	umbers t	to the nea	rest 10.				( 5's <b>3</b>
	1).	13	2).		3).	18	4).	26	5).	
	6).	17	7).		8).	14	9).		10).	15 🕻 աթ ‼ 🔏
	11).	33	12).	8	13).	49	14)	. 62	15).	81 44
	16).		17).		18).		-	. 76	20).	
	21).		22).		23).			. 103		109
		134	27).		28).		-	. 177		234
	-	192	32).		-	196	-	. 295		404
		372		564		588		. 806	-	998
	-	1243		5258		3697	-	. 7265		8395
	46).	37546	47).	52497	48).	69995	49)	. 49992	50).	999995
90	90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310									
-		- the sta		h - 1	1					
								ons of this s	ection.	
D)		140	-		to the nea			04	5)	246
	1).		2).		3).	180	4).		5).	
	6).	150	7).	265 390		149	9).		-	309
		345			13).			. 628		819
		352		615		361	19)		-	857
	-	985		1243		2145		. 1072	-	3920
		1050		2152		1321		. 5779		2350
		6929		7061		4626		. 5680		9094
		8728		7964		8588		. 8958		9978
		12425		15278		23795		. 72650		83950
	40).	472465	47).	521970	46).	309950	( 49)	. 499926	50).	999961
1900 20	00 2100 2	200 2300 2	400 2500 2	600 2700	2800 2900	3000 3100	3200 33			00 3800 3900 4000 4100
			<u> </u>							
Th	e numb	er line ab	ove may	help you	solve the	e first te	n questio	ons of this s	ection.	
C)	. Rou	nd the fol	lowing n	umbers t	to the nea	rest 100	00.			
	1).	2300	2).	2900	3).	3400	4).	3637	5).	2396
	6).	1978	7).	3921	8).	2500	9).	3601	10).	4109
	11).	4368	12).	1764	13).	4904	14)	. 6194	15).	8500
	16).	6500	17).	6876	18).	9437	19)	. 7650	20).	9543
	21).	9500	22).	10351	23).	11726	24)	. 10672	25).	16421
	26).	13483	27).	15500	28).	22167	29)	. 30782	30).	23462
	31).	49268	32).	29683	33).	69679	34)	. 59500	35).	40499
	36).	80836	37).	96398	38).	99500	39)	. 95907	40).	99821
	41).	123436	42).	252500	43).	364971	44)	. 726258	45).	839905
	46).	309546	47).	528497	48).	699500	) 49)	. 499499	50).	999501
D	Pour	nd the fol	lowing p	umbers	to the nea	rect o	). 10	b) 10		1000
D)	). Koui 1).	2643	<u> </u>	4472	3).	1658	). 10 4).	b). 100 3261		6524
	6).	8175		7229	8).	9649				9095
	0). 11).			14937		24805	9). 14)		-	29743
		35498		68555	-	37525		. 76358	-	85042
		98625		114782		34507		. 103858		99694
	21).	10020	22).		25).	54507	24)	. 100000	25).	,,,,,,

Challenge Number: 17 Page 1

#### Multiplication and Division Problems.



- Mr. Smith puts all the pupils in his class in 4 rows. In each row there are 7 pupils. How many pupils are in Mr. Smith's class ?
- 2). A milk crate will hold 24 bottles of milk. There are 4 rows of bottles in a milk crate. How many bottles are in each row ?
- 3). Jenny buys 7 pencils at the local shop. Each pencil costs 9p. How much does she spend ?
- 4). Hamish sells tulips in bunches of 8. He has 72 tulips. How many bunches can he make ?
- 5). Jenny, Bob and Carol win £36 between them on the pools. How much do they each get?
- 6). In the new cloakroom there are 9 rows of pegs. Each row has 11 pegs in it. How many pegs are there all together ?
- 7). It is 56 days until Ben's birthday. How many weeks away is it ?
- 8). Gemma is playing darts and scores treble 12. How many points is that ?
- 9). Fiona buys sherbet straws in the newsagents. They cost 4p each and she spends 32p. How many straws has she bought ?
- 10). Calculators cost £7 each. Mr. Tube the science teacher orders 12 for his class. How much will they cost all together ?
- Richard buys 54 Gob Stoppers. They are shared out between 6 of them. How many Gob Stoppers do they each get ?
- 12). Hillary plants carrots out neatly in 9 rows. In each row are 6 carrots. How many carrots has she planted out ?
- Javid sells tickets for the school play at £6 each. He sells 4 on Monday, 9 on Tuesday, 6 on Wednesday, 5 on Thursday and 11 on Friday.
  - a). Work out for each day of the week how much money he takes.
  - b). Calculate the total amount of money he takes for the whole week.
- 14). Jenny works out that her little baby brother, Herman, is 60 months old. How many years old is Herman ?
- 15). Fiona gets paid £4 a night for doing a paper round. She works a full week (7 days). How much does she earn a week ?
- 16). There are 9 identical books placed next to each other on a shelf. Each book is 4 cm wide What is the total width of all of the books ?
- 17). Six friends collect 72 conkers in the woods behind their homes. They share them out equally. How many conkers do they each get ?
- 18). If a dog lives one year it is said to be the same as a human living 7 years. If a dog is<sup>7</sup> 8 years old, how many human years is it said to be ?

Challenge Number: 17 Page 2

#### Harder Questions.

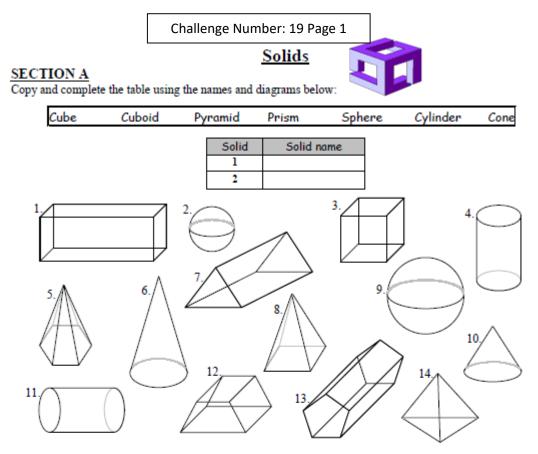
16).



- Mr. Bob lines up all the pupils in his Year in 4 rows in the playground. Each row has 72 pupils in it. How many pupils are in Mr. Bob's Year ?
- 2). Jenny buys 24 pencils at the local shop. Each pencil costs 8p. How much does she spend ?
- 3). Angus sells roses in bunches of 6. He has 144 roses. How many bunches can he make ?
- 4). Jenny, Bob and Carol win £771 between them on the lottery. How much do they each get?
- 5). In the new cloakroom there are 4 rows of pegs. Each row has 37 pegs in it. How many pegs are there all together ?
- 6). It is 161 days until Ben's birthday. How many weeks away is it ?
- 7). Gemma is playing darts and scores treble 17. How many points is that ?
- 8). Wajid buys sherbet straws in the newsagents. They cost 4p each and he spends £1.12. How many straws has he bought ?
- 9). Calculators cost £6 each. Mr. Sum the maths teacher orders 83 for his new Year 7. How much will they cost all together ?
- 10). Julian buys 301 Gob Stoppers. They are shared out between 6 friends and himself. How many Gob Stoppers do they each get ?
- Henry plants lettuce out neatly in 5 rows. In each row are 27 lettuce. How many lettuce has he planted out ?
- 12). Fiona gets paid £5 a night for doing a paper round. She works every day in May (31 days). How much does she earn in May ?
- 13). In a bookcase there are 8 shelves. Each shelf can hold 45 books. How many books can the bookcase hold ?
- 14). Nine friends collect 522 conkers in the woods behind their homes. They share them out equally. How many conkers do they each get ?
- Benny sells tickets for a concert at £3 each. He sells 14 on Monday, 29 on Tuesday, 16 on Wednesday, 25 on Thursday and 31 on Friday.
  - a). Work out for each day of the week how much money he takes.
  - b). Calculate the total amount of money he takes for the whole week.
  - a). Jean works out that her mum, Chloe is 408 months old. How many years old is she ?
  - b). She then finds out that her dad Jack is 480 months old. How many years old is he ?
  - c). Jean is 15 years old exactly. How many months old is she?



18). In 38 weeks Marie is allowed to leave school. How many days is it until Marie can leave ?

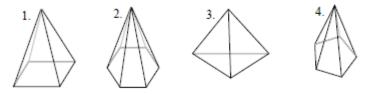


#### SECTION B

Pyramids can be given extra names such as:

Triangular-based Pyramid, Square-based Pyramid, Hexagonal-based Pyramid, etc....

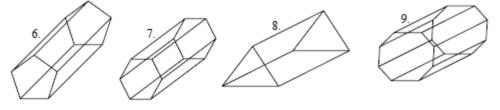
What extra names can you give to the following pyramids?



Prisms can be given extra names such as:

Triangular Prisms, Pentagonal Prisms, etc...

What extra names can you give to the following prisms?



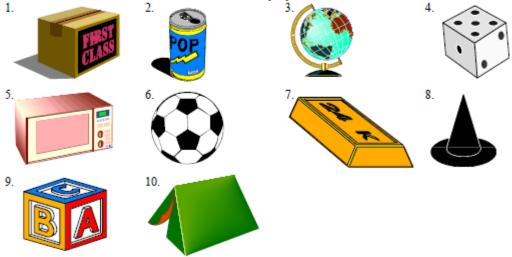
Challenge Number: 19 Page 2

<u>SECTION C</u> Copy and complete the table below:



		Solid Name	Number of	Number of	Number of
			Corners or	Straight	Flat
			Vertices	Edges	Faces
	1.	Cube			
	2.	Cuboid			
	3.	Triangular-based Pyramid			
	4.	Square-based Pyramid			
	5.	Pentagonal-based Pyramid			
	6.	Hexagonal-based Pyramid			
	7.	Octagonal-based Pyramid			
	8.	Triangular Prism			
	9.	Pentagonal Prism			
	10.	Hexagonal Prism			
	11.	Octagonal Prism			
	12.	Cylinder			
	13.	Cone			
r	14.	Sphere			

<u>SECTION D</u> Use a sensible solid name to describe each of the everyday items shown below:



#### SECTION E

- 1. Look in newspapers, magazines and catalogues to find at least 10 pictures that can be described as being one of the mathematical names given to solids.
- 2. Stick the pictures into your book and label them with the correct mathematical name.



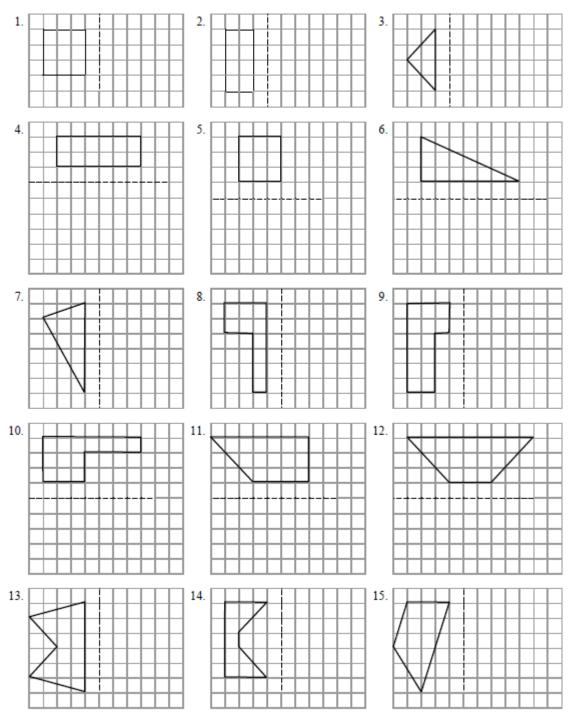


Challenge Number: 20 Page 1

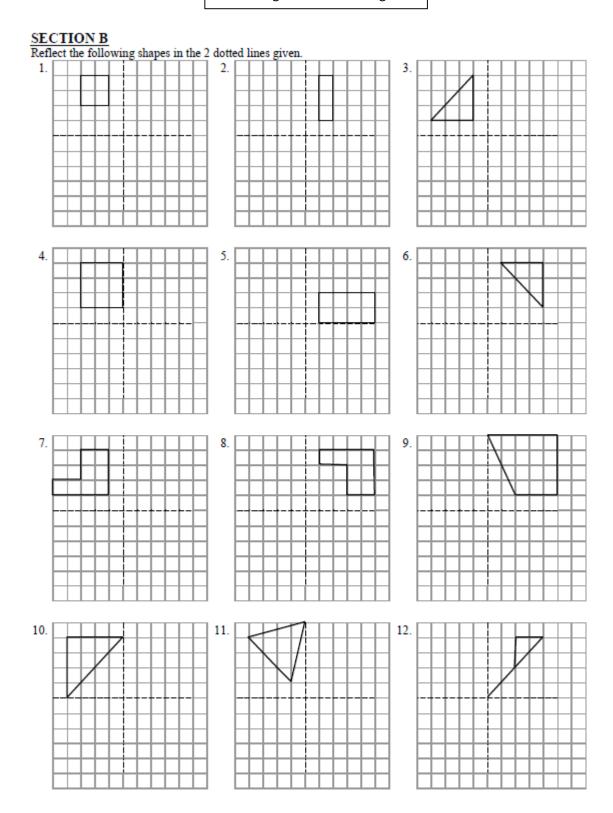
#### <u>Reflection</u>

#### SECTION A

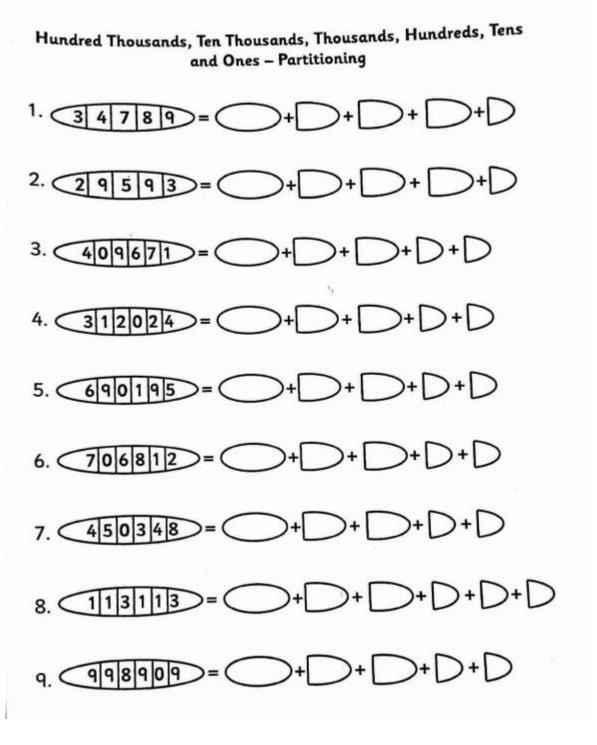
Reflect each of the following shapes in the dotted lines shown.



Challenge Number: 20 Page 2



Challenge Number: 4 Page 1



Challenge Number: 5 Page 1

## Writing Words to 1 000 000 in Numbers

Write the following words in numbers:

Two hundred and forty five thousand, eight hundred and forty six	245 846
Six hundred thousand, seven hundred and thirty two	
Nine hundred and thirteen thousand, five hundred and forty one	
Seven hundred and fifteen thousand, two hundred and twenty eight	
Four hundred and six thousand, seven hundred and ninety four	13
Nine hundred and thirty six thousand, two hundred and fifty five	1
One hundred and seventeen thousand and four	
Five hundred and thirty five thousand, seven hundred and six	
Two hundred thousand and twenty two	
Four hundred and eighty eight thousand and sixty	
Eight hundred and forty eight thousand, nine hundred and three	
Nine hundred and ninety one thousand, one hundred and nineteen	v
One hundred and ninety nine thousand, nine hundred and nineteen	
Five hundred and fifteen thousand, one hundred and fifty one	

Challenge Number: 5 Page 2

Write the following in words and in numbers:					
	56 601				
	90 452				
Two hundred and fourteen thousand, three hundred and twelve					
Six hundred and fourteen thousand and fifty nine	1				
5	345 327				
Four hundred thousand, two hundred and twelve					
Eight hundred and eight thousand, eight hundred and eight					
	880 880				
	666 000				
Six hundred and sixteen thousand, one hundred and sixty one					
	797 779				
Three hundred and thirty seven thousand and thirty seven					
	340 819				

i

Challenge Number: 12 Page 1

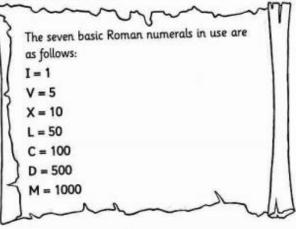
## Roman Numerals - Recognising Years

I can convert years written in Roman numerals.

The rules that must be followed for accurate use of Roman numerals are as follows:

- Symbols are written from left to right in value order.
- To avoid having four characters in a row, some characters can be subtracted from others when placed BEFORE them.
- 3. I placed before V or X indicates one less.
- 4. X placed before L or C indicates ten less.
- C placed before D or M indicates a hundred less.

This is how we would translate the year 1971



۰,

1000 900	70	1	1971
M CM	LXX	I	MCMLXX

1. Work out each of the following years in Roman numerals.

A.

B.

C.

Challenge Number: 12 Page 2

D.

1000	800	80	8	1888

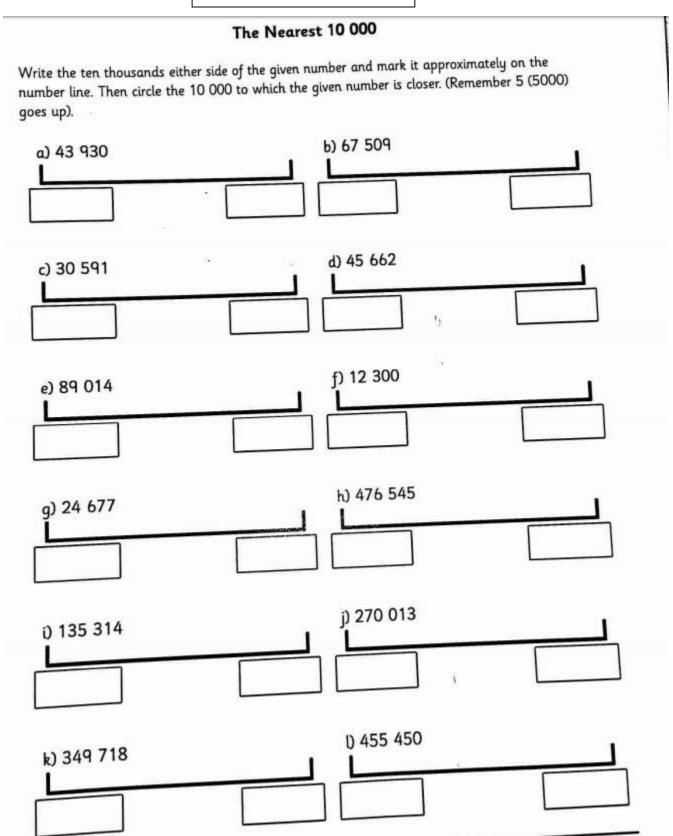
2. Work out which year the following historical figures were born.

Who	Roman Numeral Year of Birth	Translation
E.	MDCCCLXVI I	*
Marie Curie	7	
	MDCCCLXXIV	
Winston Churchill	MCMXXVI	
Queen Elizabeth		
John Lennon	MCMXL	
Youl	R	

Challenge: Can you work out how old these people were when they died and who lived the longest life?



Challenge Number: 11 Page 1



Challenge Number: 11 Page 2

### The Nearest 10 000 (2)

Round the following numbers to the nearest 10 000.

16 023 →	120 532	195 870		
27 467 <del>→</del>	244 665	200 287		
49 501 →	315 500 →	375 828 →		
62 090 <del>→</del>	→ 455 838 → 199 777 →			
76 327 →	626 112 <del></del>	471 727 →		
92 105 →	731 008	999 300		

Round the following populations to the nearest 10 000.

Places	Population	to the nearest 10 000
Iceland	317 900	
Bahamas	346 000	
Malta	416 333	
Samoa	179 000	
Maldives	314 000	
Solomon Islands	536 000	
Guyana	761 000	
Cyprus	801 851	
Fiji '	854 000	

Challenge Number: 6

# Counting Forwards and Backwards in Powers of 10 Word Problems Answer the following questions: What number is 1000 more than 3683? 2. How many less is 5693 than 5703? What number is 10 000 less than 1 234 508? 4. If I add 100 to a number I get 3467. What number did I start with? 23 890 is how many more than 13 890? 6. What number is 100 more than 45 901? 7. Add 10 000 to 270 801. 8. If I subtract 1000 from a number I get 19 230. What number did I start with? What number is 100 000 more than 671 023? 10. Subtract 1 000 000 from 30 782 901. Write the following as calculations and solve them.

A. 7503 cars go over a bridge in February. In march, 1000 more cars go over the bridge than in February. How many go over the bridge in March?

B. There are 30 903 books in a mobile library collection, but 1000 of these are on loan. How many books are left in the library?

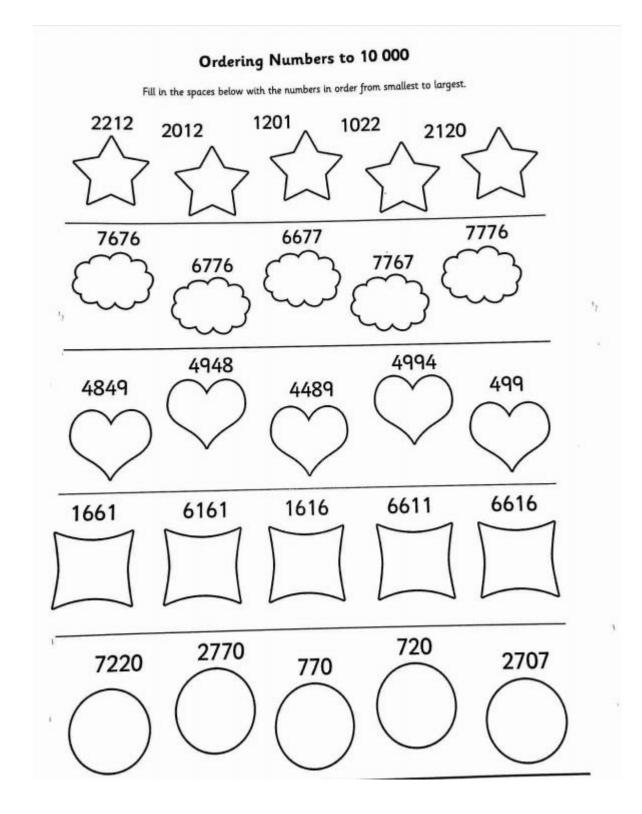
C. A girl wins £10 000 for winning a tennis competition. She has now won £35 600 in prize money altogether. How much had she won before winning the £10 000?

D. A car has 34 678 miles on the milometer, but it had already travelled 100 000 miles. How many miles has it travelled altogether?

E. A factory makes 305 800 glass bottles a day in March, which is 10 000 more than it made in February. How many bottles did it used to make each day in February?

mintel on uk

Challenge Number: 4 Page 2



Challenge Number: 13

Name:		Date:																
								Н	ydı	ra								
9/36	4/16	8/32	5/20	4/16	6/24	7/28	2/8	5/20	9/36	10/40	3/12	10/40	8/32	9/36	5/20	9/36	4/16	7/28
8/32	5/20	2/8	2/8	1/4	6/24	5/20	5/20	4/16	7/28	8/32	1/4	3/12	3/12	5/20	4/16	4/16	3/12	8/32
2/8	5/20	8/32	9/36	3/12	3/12	4/16	10/40	10/40	8/32	9/36	3/12	6/24	9/36	10/40	2/8	5/20	9/36	6/24
5/20	1/4	8/32	7/28	9/36	8/32	3/12	8/32	2/6	7/28	5/20	7/28	1/4	6/24	1/4	3/12	4/16	8/32	2/8
4/16	8/32	8/32	2/8	4/16	2/8	9/36	2/6	5/10	8/24	10/40	6/24	6/24	8/32	5/20	4/16	1/4	4/16	1/4
10/40	3/12	8/32	9/36	10/40	5/20	6/24	1/3	5/10	3/6	5/15	3/12	4/16	7/28	7/28	1/4	8/32	6/24	4/16
2/8	1/4	3/9	4/16	2/8	10/40	7/28	5/15	1/2	6/18	6/24	6/24	6/24	6/18	5/20	6/24	8/32	4/16	8/32
2/8	8/24	1/2	9/27	6/24	4/16	4/16	9/27	7/14	2/6	1/4	9/36	3/9	9/18	4/12	2/8	6/24	7/28	5/20
4/12	5/10	1/2	9/18	8/24	5/20	1/3	10/20	5/10	8/24	1/4	3/9	1/2	8/16	7/14	5/15	6/24	3/12	9/36
8/32	8/24	8/24	5/10	1/2	7/21	9/27	5/10	6/12	5/15	8/24	10/20	9/18	3/9	6/18	9/36	4/16	9/36	10/40
8/32	10/40	6/24	8/24	3/6	4/8	4/12	8/16	3/6	8/24	1/2	1/2	4/12	6/24	1/4	9/36	8/32	3/9	9/27
9/36	10/40	10/40	6/24	7/21	10/20	4/12	8/16	6/12	7/21	1/2	6/18	2/6	3/12	7/28	6/24	3/9	3/6	2/6
5/20	4/16	4/16	9/27	7/14	7/14	9/18	1/2	6/12	2/4	6/12	9/18	6/12	2/6	4/16	8/24	10/20	6/18	5/20
6/24	3/12	3/9	7/14	3/6	4/8	8/24	6/12	1/3	2/4	4/8	6/12	7/14	6/18	5/20	1/3	6/12	1/3	8/32
10/40	5/20	8/24	9/18	1/2	1/3	7/14	2/4	3/6	8/24	5/10	8/16	2/6	1/3	1/3	7/14	6/18	5/20	1/4
7/28	7/28	6/24	9/27	7/14	5/15	8/16	10/20	2/4	4/12	7/14	9/18	7/21	6/12	8/16	1/3	10/40	5/20	7/28
1/4	3/12	4/16	1/3	1/2	9/27	8/24	6/18	7/21	7/21	5/10	3/9	3/12	4/12	8/24	1/4	4/16	8/32	1/4
2/8	2/8	1/3	5/10	3/6	6/18	1/4	7/28	5/20	9/27	7/14	6/12	8/24	7/28	8/32	1/4	8/32	6/24	10/40
3/9	5/15	8/24	8/24	8/24	1/3	3/9	3/9	3/9	1/3	1/3	8/24	3/9	6/18	2/6	1/3	5/15	3/9	7/21
2/6	2/6	8/24	9/27	5/15	6/18	3/9	7/21	8/24	6/18	2/6	9/27	1/3	7/21	8/24	8/24	8/24	7/21	7/21
Key	/:	-		-	-					-		-		-	-	_		-

key:

Equal to 1/2	Green
Equal to 1/3	Blue
Equal to 1/4	Gray

Challenge Number: 18

Name: Date:																		
								Pa	arro	ot								
8.75	0.95	9.05	8.65	6.05	6.45	6.05	3.75	2.75	4.59	7.58	6.54	3.52	6.15	1.45	4.15	3.45	3.35	0.05
1.15	0.35	6.65	3.15	8.35	4.35	7.15	6.45	6.25	0.15	5.19	5.82	9.52	5.34	6.85	7.95	9.15	2.45	4.35
0.05	8.15	2.25	6.25	0.85	1.05	8.65	8.65	4.45	5.87	5.8	5.7	5.87	5.33	5.22	7.95	1.65	4.45	7.85
1.65	8.95	1.65	2.15	8.85	2.35	9.15	9.75	5.67	5.4	3.12		5.43	5.93	2.51	2.53	2.75	2.35	4.85
0.65	1.25	4.45	1.75	2.65	4.65	0.25	4.15	5.24	5.68	5.18	5.36	9.57	9.58	4.57	7.57	4.54	8.75	2.85
3.75	2.25	7.35	9.95	6.95	2.95	3.65	0.25	5.84	5.61	5.28	8.54	0.58	9.32	4.5	7.59	0.59	2.35	6.45
3.35	4.85	6.35	8.95	6.75	0.15	7.65	0.85	5.19	5.2	5.03	7.54	2.54	0.6	8.95	4.58	6.57	1.65	4.05
6.25	2.95	4.65	1.75	8.75	0.35	0.25	1.85	5.48	5.98	5.32	3.5	0.59	1.57	1.15	4.56	3.75	8.75	1.95
1.75	3.35	1.05	9.05	2.65	7.65	7.45	5.68	5.33	5.87	5.82	5.96	5.48	7.45	3.95	9.95	4.45	7.95	0.75
9.75	7.25	7.75	0.85	9.05	1.75	0.35	5.26	5.88	5.67	5.38	5.81	5.71	5.12	0.65	1.85	8.95	9.35	3.85
0.65	3.35	6.65	7.45	2.05	9.75	5.6	5.7	5.92	5.34	5.79	8.59	9.59	0.56	9.65	3.85	3.25	9.35	8.05
5.11	5.49	2.35	1.75	8.45	9.85	5.03	5.1	5.87	5.74	6.5	4.56	3.59	0.51	9.75	2.25	1.65	2.65	0.65
2.25	5.22	5.91	1.15	0.35	5.91	5.4	5.42	5.41	5.98	0.56	8.51	1.51	2.52	8.25	1.95	3.35	2.25	4.05
0.05	6.85	5.16	5.87	5.64	5.18	5.16	5.12	5.68	5.66	6.59	7.59	1.52	9.05	8.95	0.05	1.15	4.95	1.95
1.85	2.45	6.65	5.99	5.08	5.18	5.92	5.08	5.27	6.59	6.57	2.53	9.58	4.47	4.05	8.35	6.85	2.25	6.75
4.25	7.75	1.75	8.21	5.32	5.37	5.1	5.4	6.56	7.59	4.58	6.5	9.05	7.45	6.43	9.35	0.05	0.35	2.05
1.35	9.65	3.1	0.65	8.75	2.59	4.35	2.25	1.57	9.65	1.45	2.05	1.95	0.15	4.25	0.82	8.85	7.25	7.25
1.85	8.78	1.85	1.25	2.35	3.54	2.59	0.25	8.54	6.59	2.95	7.75	8.45	2.25	8.95	6.05	9.42	6.45	3.95
6.15	3.24	9.96	3.32	0.98	9.16	8.78	2.41	9.84	1.81	0.72	2.41	8.32	9.32	9.96	2.7	6.43	2.35	3.85
4.45	6.93	9.35	4.35	0	6.35	9.95	8.71	9.95	2.25	7.17	9.65	7.85	8.64	6.85	2.15	7.08	8.85	8.15
Key	Кеу:																	
5 in the ones place								Red										
5 in the tenths place								Orange										
5 in the hundredths place								Blue										
Does not have a 5								Gray										

\*Blank squares are white

Challenge Number: 8

