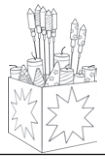
Year 6 Autumn Themed Maths Activity Booklet **Answers**

Place Value Code Breaker **Answers**

									
3	1	6	5	4	0	8	7	2	9

What is the number						rounded to the nearest 10?

Answer: **36 990**

What is the number						rounded to the nearest 100?

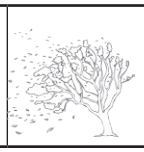
Answer: **71 800**

What is the number						rounded to the nearest 1000?

Answer: **81 000**

What is the number					written in Roman numerals?

Answer: **MMMDCCCXCVI**

What is the number					written in Roman numerals?

Answer: **MDCII**

What is the number					written in Roman numerals?

Answer: **MMCXXXIV**

Calculations Code Breaker **Answers**

Solve the calculations and use the code breaker to spell out the autumn-themed words.

A	B	C	D	E	F	G	H	I	J	K	L	M
3	23	13	20	6	10	1	15	19	24	4	9	17

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	2	7	21	11	25	8	26	16	5	22	12	18

	Answer	Letter
-10 + 23	**13**	**C**
$1^2 + 1^2$	**2**	**O**
$(2 \times 5) + 2^2$	**14**	**N**
$2^3 \div 2$	**4**	**K**
7.15 - 1.15	**6**	**E**
(100 - 45) ÷ (-6 + 11)	**11**	**R**

	Answer	Letter
50% of 20	**10**	**F**
$\frac{1}{10}$ of 190	**19**	**I**
121 ÷ 11	**11**	**R**
2^3 - 2	**6**	**E**
$\square^2 = 25$	**5**	**W**
-1 + 3	**2**	**O**
0.11 × 100	**11**	**R**
$4000 \div 10^3$	**4**	**K**

	Answer	Letter
3^2	**9**	**L**
180 ÷ 30	**6**	**E**
4^2 - 13	**3**	**A**
7.4 + 2.6	**10**	**F**

	Answer	Letter
(100 - 1) ÷ (10 - 1)	**11**	**R**
2/12 of 36	**6**	**E**
2^3 + 12	**20**	**D**

	Answer	Letter
$\square^2 = 49$	**7**	**P**
$3^3 - 1$	**26**	**U**
15.5 + 1.5	**17**	**M**
4900 ÷ 700	**7**	**P**
2.82 + 1.18	**4**	**K**
5^2 - 6	**19**	**I**
280 ÷ 20	**14**	**N**
$2500 \div 10^2$	**25**	**S**

	Answer	Letter
3000 ÷ 200	**15**	**H**
$300 \div 10^2$	**3**	**A**
$10 + 1^2$	**11**	**R**
4^2	**16**	**V**
2.92 + 3.08	**6**	**E**
5^2	**25**	**S**
4.61 + 3.39	**8**	**T**

Autumn Calculations Mosaic **Answers**

Work out the numbers to reveal the hidden picture. Each value has a special colour.

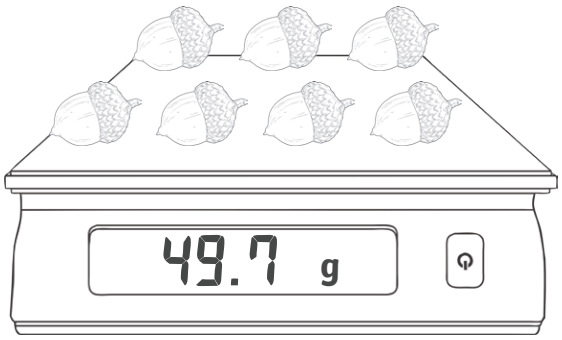
brown = 7200 | **blue** = 7500 | **red** = 7800 | **yellow** = 8100 | **orange** = 8400

5927 + 1573	5124 + 2376	6329 + 1171	7692 - 192	2650 + 5450	5959 + 1841	8263 - 463	1171 + 6629	715 + 7085
8233 - 733	8899 - 1399	3637 + 3863	4865 + 2935	3101 + 4699	718 + 6482	8300 - 500	757 + 7343	1920 + 5880
1528 + 6872	9959 - 1559	5858 + 1642	9972 - 1872	5518 + 2282	1036 + 6764	3412 + 3788	7554 + 246	2107 + 5993
958 + 7442	1108 + 6992	3979 + 4421	8688 - 888	7262 - 62	9526 - 1426	938 + 6262	677 + 7123	9756 - 2556
7787 + 613	7308 + 1092	5993 + 2107	7787 + 613	9892 - 2092	1566 + 5634	6967 + 233	1827 + 5373	333 + 7467
1162 + 7238	9512 - 2312	4334 + 4066	8703 - 303	9999 - 2499	4399 + 3401	3043 + 4157	2546 + 4654	7619 + 481
1685 + 5515	3574 + 3626	1208 + 5992	9875 - 1775	6810 + 690	8001- 501	658 + 6542	6012 + 1188	2012 + 5488
7347 + 753	8888 - 1688	1577 + 6823	1980 + 5520	9516 - 2016	5501 + 1999	4380 + 2820	5190 + 2010	1979 + 5521
9286 - 1786	7398 - 198	1042 + 6458	1964 + 5536	8825 - 1325	6169 + 1331	552 + 6648	3129 + 4071	3260 + 4240
5927 + 1573	6508 + 692	7992 - 492	7471 + 29	5145 + 2355	453 + 7147	9221 - 2021	7641 - 441	6329 + 1171

Autumn Measures **Answers**

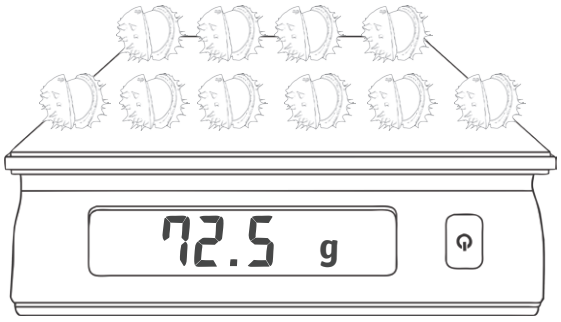
Read the digital scales and calculate the mass of one item.

Show your working out in each box. The first one has been done for you.



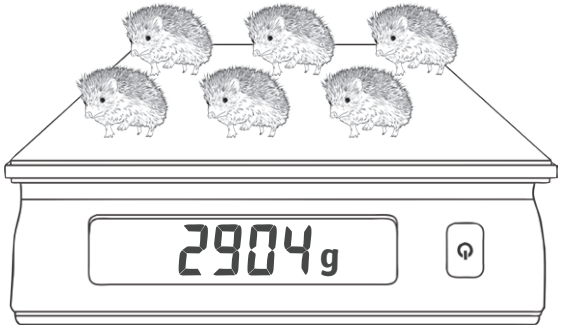
49.7 ÷ 7 = 71

= 71g



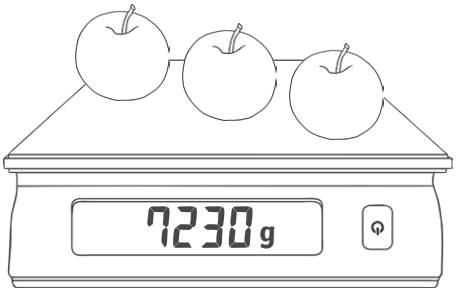
72.5 ÷ 10 = 7.25

= 7.25g



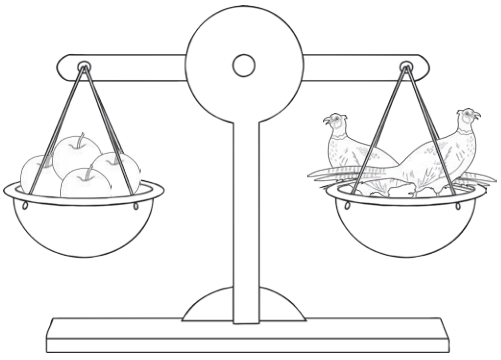
2904 ÷ 6 = 484

= 484g



7230 ÷ 3 = 2410

= 2410g



2410 × 4 = 9640

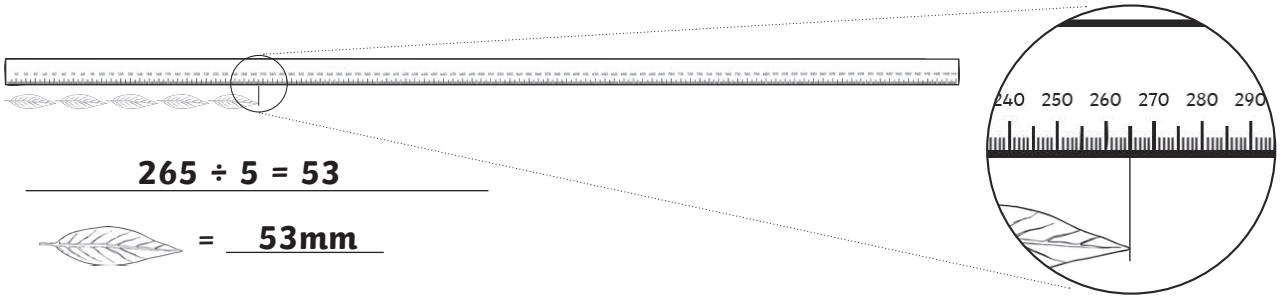
9640 ÷ 2 = 4820

4.82 kg

Autumn Measures **Answers**

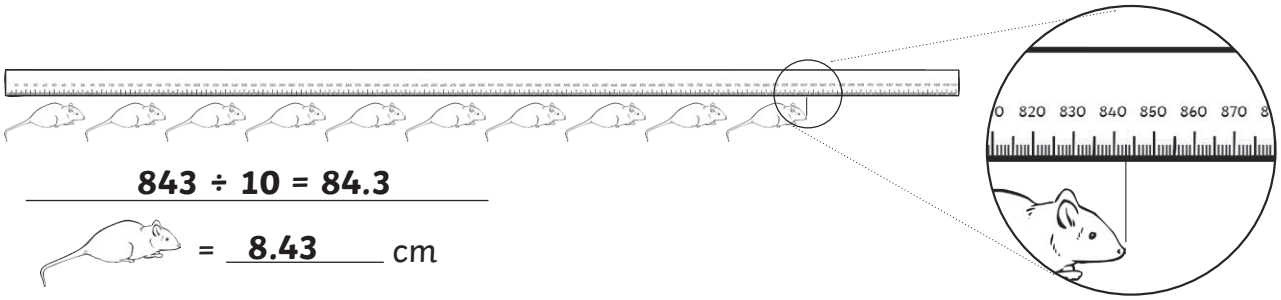
Calculate the length of one item.

Write the calculation you use. The first one has been done for you.



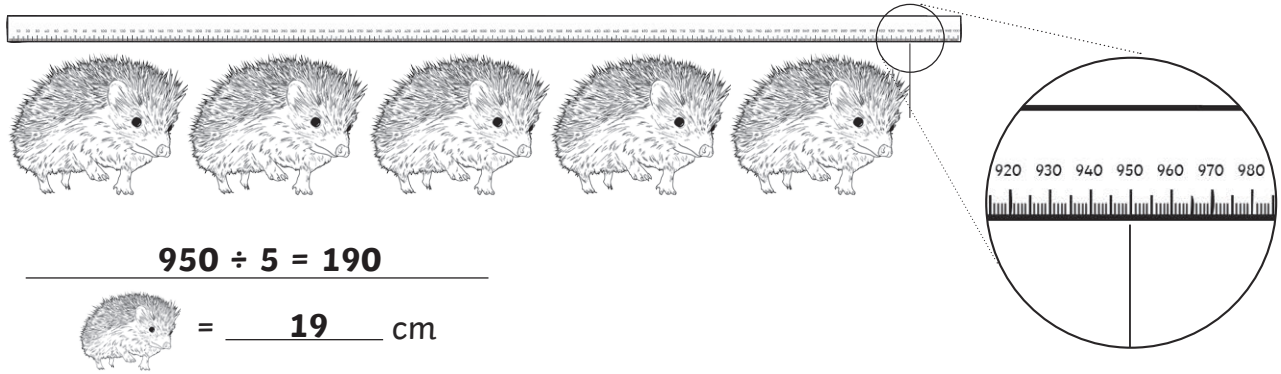
265 ÷ 5 = 53

= **53mm**



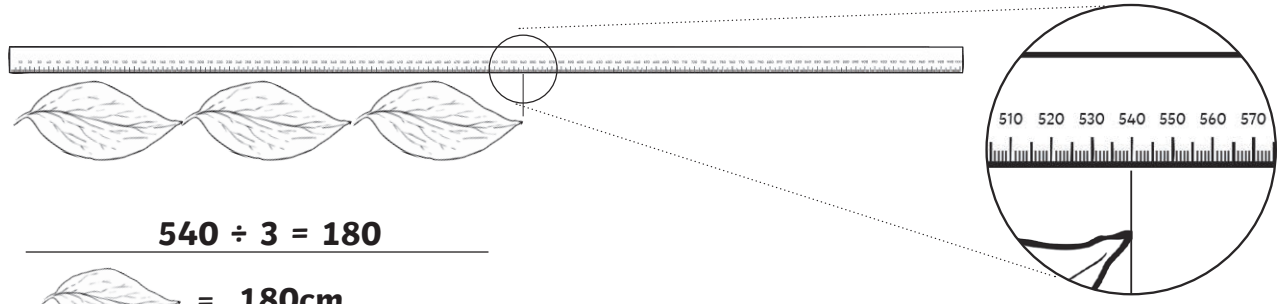
843 ÷ 10 = 84.3

= **8.43** cm



950 ÷ 5 = 190

= **19** cm



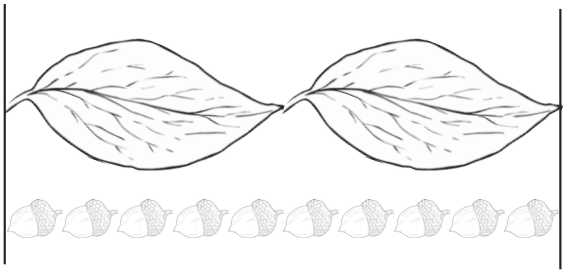
540 ÷ 3 = 180

= **180cm**

2 × 180 = 360

360 ÷ 10 = 36

= **0.36** m



Autumn Number Cross **Answers**

Use the code to complete the calculations. Solve each one using written methods of multiplication.

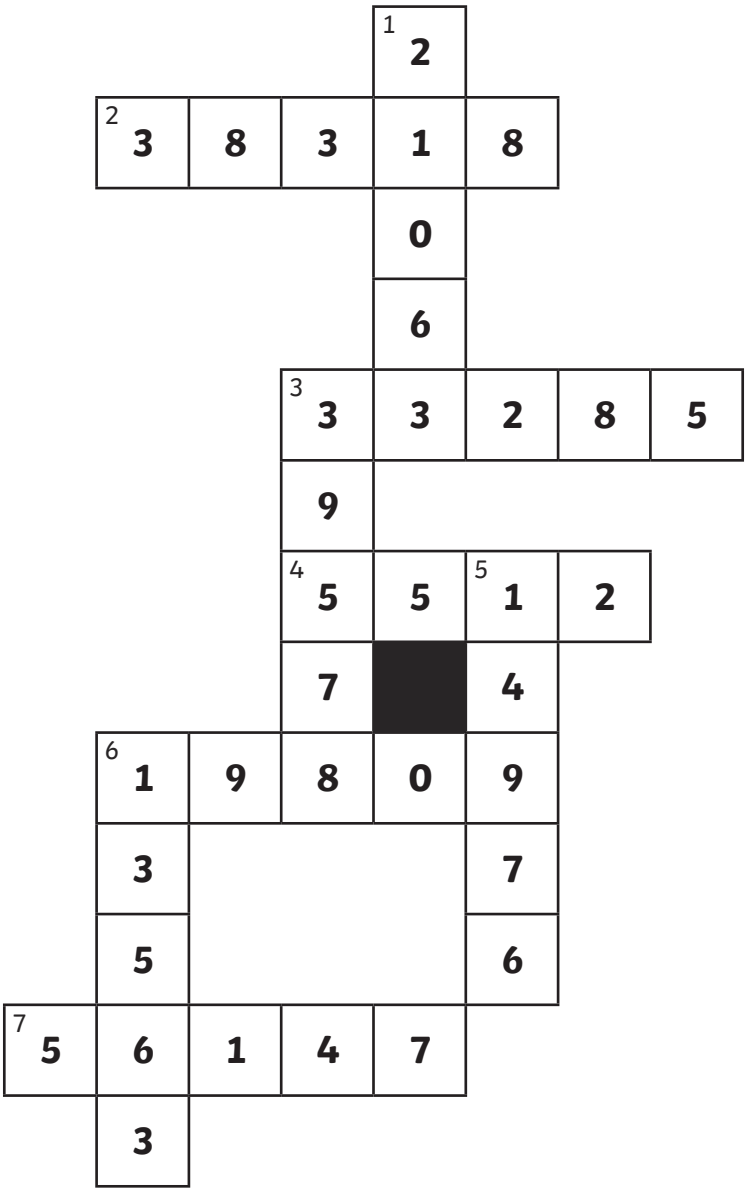
									
3	1	6	5	4	0	8	7	2	9

Across

2. 
3. 
4. 
6. 
7. 

Down

1. 
3. 
5. 
6. 



Across

2. 782 × 49 = 38 318

3. 951 × 35 = 33 285

4. 424 × 13 = 5512

6. 279 × 71 = 19 809

7. 617 × 91 = 56 147

Down

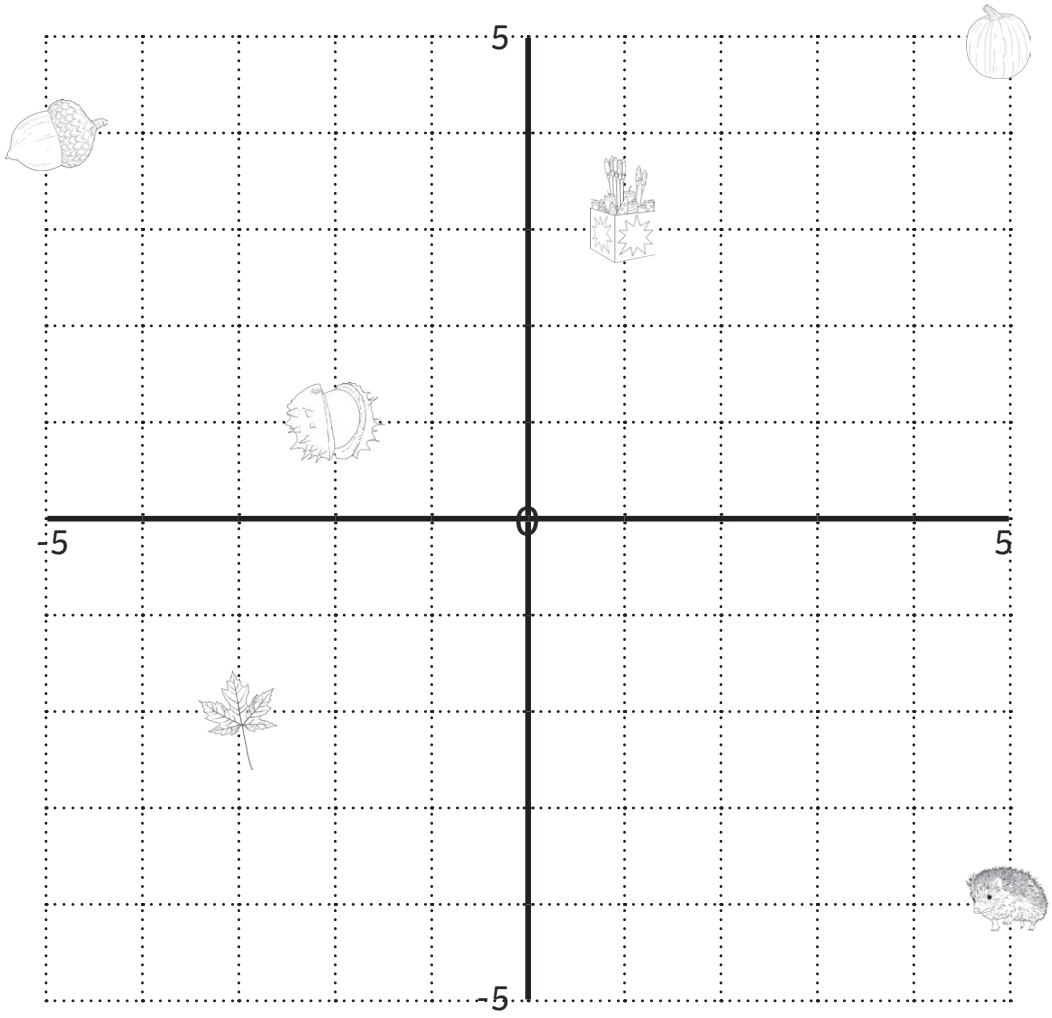
1. 357 × 59 = 21 063

3. 514 × 77 = 39 578

5. 288 × 52 = 14 976

6. 411 × 33 = 13 563

Autumn Coordinates **Answers**



Write the coordinates of each autumn-themed object. Translate each object and write its new coordinates.

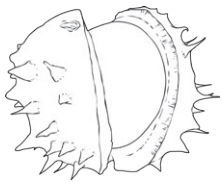
Object	Starting Coordinates	Translation	Ending Coordinates
	**(5, 5)**	Left 4, Down 3	**(1, 2)**
	**(1, 3)**	Left 5, Down 5	**(-4, -2)**
	**(-5, 4)**	Right 6, Down 2	**(1, 2)**
	**(-2, 1)**	Left 2, Down 5	**(-4, -4)**
	**(-3, -2)**	Right 6, Up 3	**(3, 1)**
	**(5, -4)**	Left 2, Up 5	**(3, 1)**

Autumn Number Puzzles **Answers**

I collect some conkers on my walk home from school.

I multiply the number of conkers by 7.

I then subtract 22,



multiply by 25,

subtract 9,

and divide by 17.

I end with the number 173.

How many conkers did I collect? **20**

Eddie watches a firework display.

50% of the fireworks were Catherine wheels.

$\frac{1}{7}$ of the remaining fireworks were fountains.

The rest were Roman candles.

There were 36 Roman candles.

How many fireworks were there in total? **84**

Eva and Melody pick some blackberries to make some blackberry pies.

They weigh the berries and share them equally between them.

Eva eats 85g of her berries on the walk home.

She divides the berries between three pie dishes.

Each dish now contains 255g of berries.

How many kilograms of berries did Melody and Eva pick? **1.7kg**