

Year 5 Autumn-Themed Maths Activity Booklet Answers



Colour by Calculations

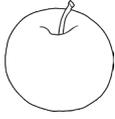
Solve the calculations and use the key to colour each part of the autumn-themed picture.

Red:	Orange:	Yellow:	Green:	Dark Brown:	Light Brown:	Pink:
0.1	0.2	0.4	0.5	0.6	0.8	1



Place Value Code Breaker - Answers

Use the code breaker to work out the place value of certain digits in these numbers.

2	3	1	8	7	6	9	8	5
								

Example:

In the number      what is  worth?

30 000

1. In the number       what is  worth?

800 000

2. In the number      what is  worth?

0.7 or 7 tenths

3. In the number       what is  worth?

300 000

4. In the number       what is  worth?

0.01 or 1 hundredth

5. In the number       what is  worth?

1000

6. In the number        what is  worth?

0.006 or 6 thousandths

Calculations Code Breaker - Answers

Use the code breaker to work out the place value of certain digits in these numbers.

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
1.3×10	13	C
$400 \div 200$	2	O
$126 \div 9$	14	N
2^2	4	K
0.06×100	6	E
$121 \div 11$	11	R

	Answer	Letter
0.11×100	11	R
$240 \div 40$	6	E
$400 \div 20$	20	D

	Answer	Letter
0.1×100	10	F
$1900 \div 100$	19	I
$1100 \div 100$	11	R
$6000 \div 1000$	6	E
$200 \div 40$	5	W
$1000 \div 500$	2	O
0.11×100	11	R
$160 \div 40$	4	K

	Answer	Letter
0.07×100	7	P
2.6×10	26	U
$170 \div 10$	17	M
$140 \div 20$	7	P
0.4×10	4	K
$1900 \div 100$	19	I
1.4×10	14	N
5^2	25	S

	Answer	Letter
3^2	9	L
$60 \div 10$	6	E
$75 \div 25$	3	A
$1000 \div 100$	10	F

	Answer	Letter
0.15×100	15	H
$300 \div 100$	3	A
1.1×10	11	R
4^2	16	V
$600 \div 100$	6	E
$200 \div 8$	25	S
$80 \div 10$	8	T

Roman Numerals Autumn Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

brown =
1 – 50

blue =
51 – 100

red =
101 – 300

orange =
301 – 500

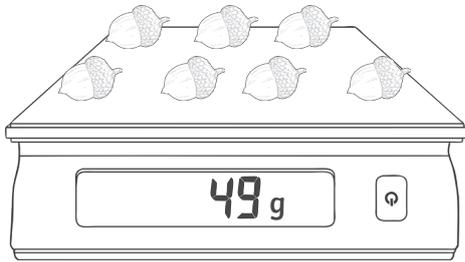
yellow =
501 – 1000

LI	LX	LXX	C	DCCI	CII	CV	CCI	CXXI
LIII	XCI	XC	CCL	CLI	L	CCI	M	CXC
CCCI	CCCL	LXXI	DCCX	CLX	CCIII	X	CIX	CM
CD	CMIV	D	CLXI	I	DCIX	VII	CXLI	XI
CDL	CCCV	DLV	CCCLV	CCC	II	VI	XL	CCII
CDII	XXII	CDX	CDXV	LXXV	CV	XL	XXXI	CMXXI
III	XVI	X	CMXL	XCV	LIV	IV	XXV	LV
CMI	IV	CDXC	LXXX	LVII	LIX	XVIII	VIII	LXXV
LXXXV	XXXI	LIII	LVII	LVI	LX	XXVI	XXIX	XCVI
LXXI	XXIV	LXXIV	LXIX	LXXV	LXXXIII	XLV	IX	XCIX

Autumn Measures - Answers

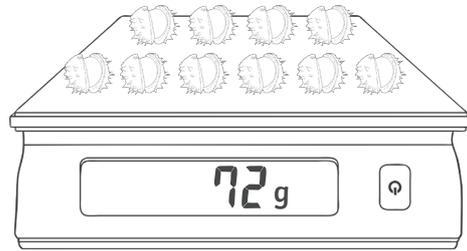
Read the digital scales and calculate the mass of one item.

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



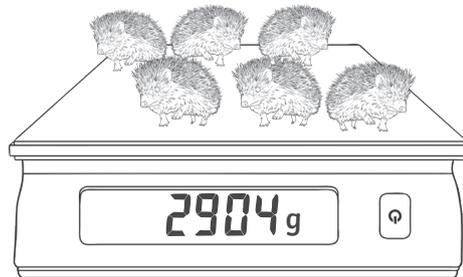
$$49 \div 7 = 7$$

$$\text{acorn} = 7\text{g}$$



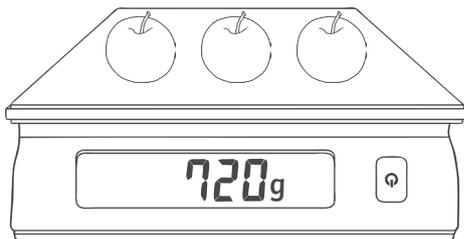
$$72 \div 10 = 7.2$$

$$\text{acorn} = 7.2\text{g}$$



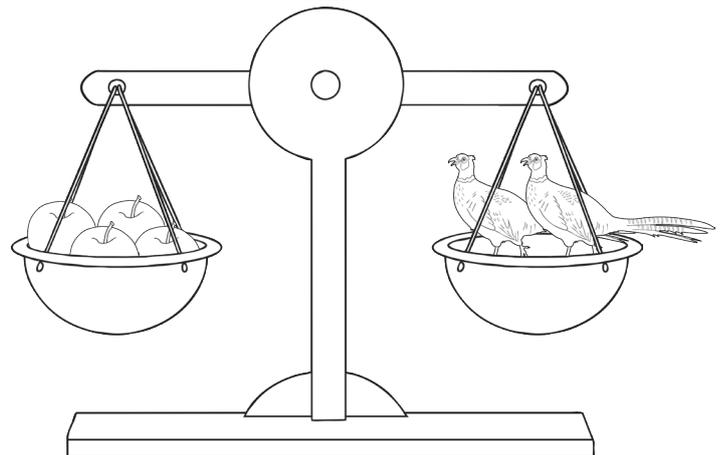
$$2904 \div 6 = 484$$

$$\text{hedgehog} = 484\text{g}$$



$$720 \div 3 = 240$$

$$\text{apple} = 240\text{g}$$



$$240 \times 4 = 960$$

$$960 \div 2 = 480\text{g}$$

$$\text{parrot} = 480\text{g}$$

Autumn Measures - Answers

Calculate the length of one item.

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

$$\begin{array}{r} 260 \div 5 = 52 \\ \hline \end{array}$$

 = 52 mm

$$\begin{array}{r} 84 \div 10 = 8.4 \\ \hline \end{array}$$

 = 8.4 cm

$$\begin{array}{r} 95 \div 5 = 19 \\ \hline \end{array}$$

 = 19 cm

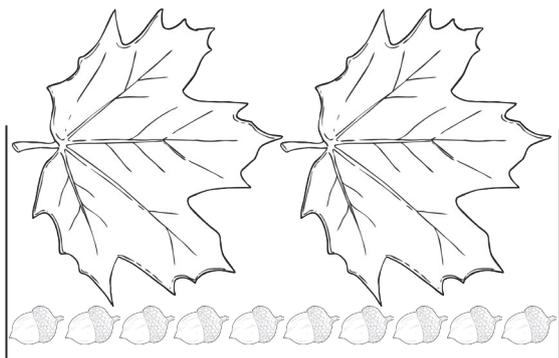
$$\begin{array}{r} 57 \div 3 = 19 \\ \hline \end{array}$$

 = 19

$$\begin{array}{r} 2 \times 19 = 38 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \div 10 = 3.8 \\ \hline \end{array}$$

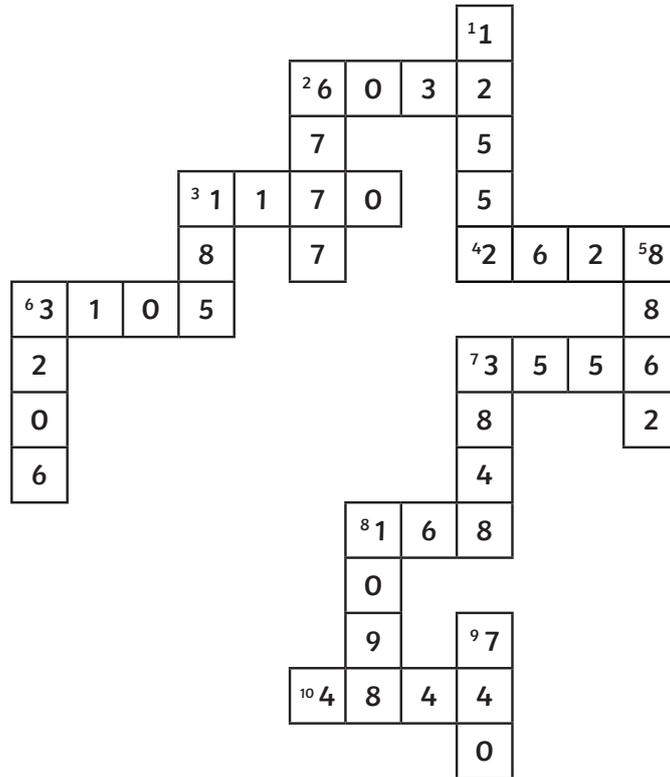
 = 3.8cm



Autumn Number Cross - Answers

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

2	3	1	8	7	6	9	4	5
								



2. $754 \times 8 = 6032$

3. $234 \times 5 = 1170$

4. $876 \times 3 = 2628$

6. $621 \times 5 = 3105$

7. $254 \times 14 = 3556$

8. $28 \times 6 = 168$

10. $692 \times 7 = 4844$

1. $523 \times 24 = 12552$

2. $753 \times 9 = 6777$

3. $37 \times 5 = 185$

5. $1266 \times 7 = 8862$

6. $458 \times 7 = 3206$

7. $962 \times 4 = 3848$

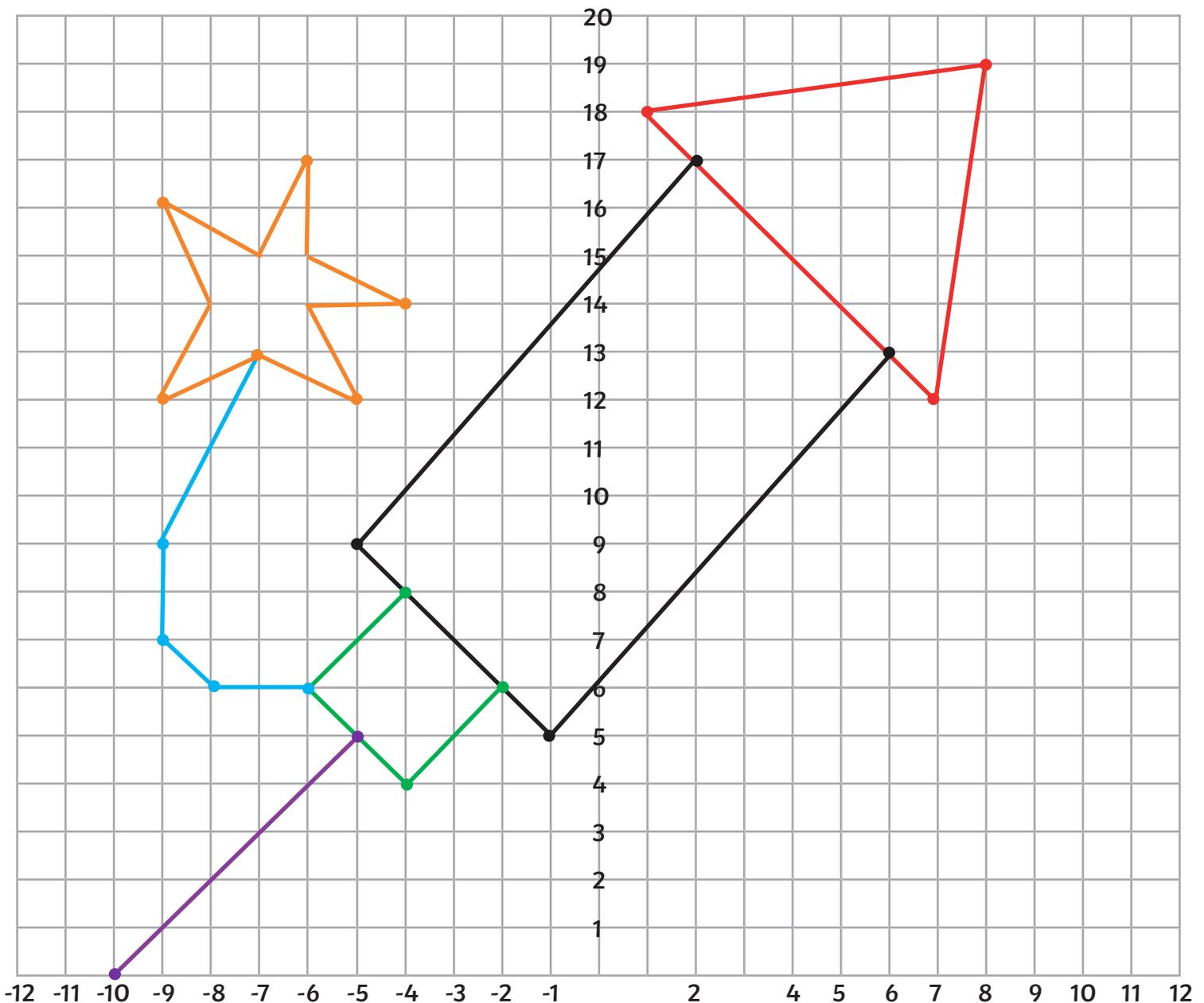
8. $549 \times 2 = 1098$

9. $185 \times 4 = 740$

Coordinates Mystery Picture - Answers

Draw the shapes made by these coordinates.

Line 1	(-5, 9) (2, 17) (6, 13) (-1, 5) (-5, 9)
Line 2	(1, 18) (7, 12) (8, 19) (1, 18)
Line 3	(-2, 6) (-4, 4) (-6, 6) (-4, 8)
Line 4	(-5, 5) (-10, 0)
Line 5	(-6, 6) (-8, 6) (-9, 7) (-7, 9) (-7, 13)
Line 6	(-7, 13) (-9, 12) (-8, 14) (-9, 16) (-7, 15) (-6, 17) (-6, 15) (-4, 14) (-6, 14) (-5, 12) (-7, 13)



Autumn Number Puzzles - Answers

I collect some conkers on my walk home from school.

I multiply the number of conkers by 3.

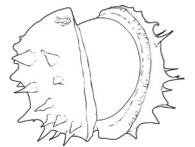
I then subtract 17,

multiply by 5,

and divide by 7.

I end with the number 185.

How many conkers did I collect? **92**



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

They share the berries equally between them.

Eva eats 34 of her berries on the walk home.

She divides the berries equally between three pie dishes.

Each dish now contains 122 berries.

How many berries did Melody and Eva pick? **800**



Eddie watched a firework display.

$\frac{2}{6}$ of the fireworks were Catherine wheels.

$\frac{1}{2}$ of the fireworks were fountains.

The rest were Roman candles.

There were 12 Roman candles.

How many fireworks were there in total? **72**



Converting Measures Board Game - Answers

How many metres are in 2km? 2000	How many grams are in half a kilogram? 600	How many seconds are in 10 minutes? 500	How many millimetres are in 5cm? 50	How many hours are in 10 days? 240
How many pence are in £12? 1200				How many metres are in 4.3km? 4300
How many minutes are in 3 hours? 180				How many millilitres are in $\frac{3}{4}$ of a litre? 750
How many millilitres are in 0.005 litres? 5				How many hours are in half a day? 12
How many millimetres are in 25cm? 250	How many pence are in £5? 800	How many months are in 10 years? 120	How many millilitres are in 1.8 litres? 1800	How many centimetres are in $\frac{1}{4}$ of a metre? 25