A Day at the Pumpkin Farm

1. The leaf-raking pictograph

Lena, Ben and Tim raked leaves. Key: one **leaf picture = 5 leaves**

Lena	
Ben	
Tim	

a) How many leaves did Lena rake? _____

b) Ben raked 15 leaves MORE than Lena. How many leaves is that? _____ Draw Ben's row of leaf pictures.

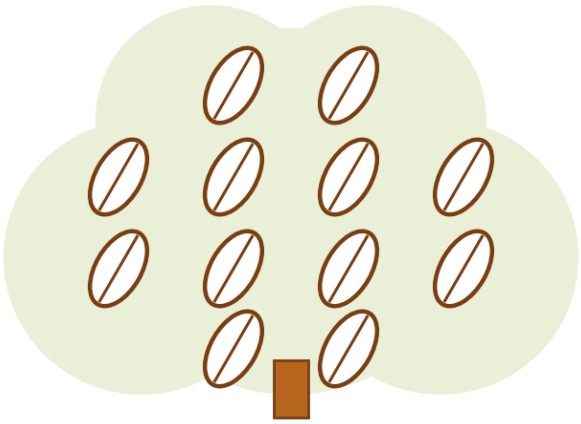
c) Tim raked 10 leaves LESS than Lena. How many leaves is that? _____ Draw Tim's row.

d) How many leaves did the three children rake altogether? _____

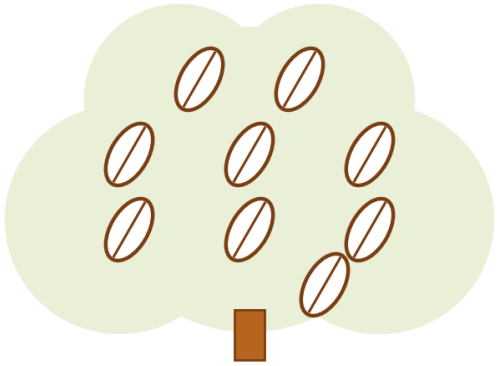
2. Two leaf bushes

Big bush: 12 leaves. Colour **3/12** of the leaves **red**, **4/12 yellow** and **5/12 green**.

Small bush: 9 leaves. Colour **4/9** of the leaves **red**, **2/9 yellow** and **3/9 green**.



Big bush



Small bush

Now compare. Circle the right answer:

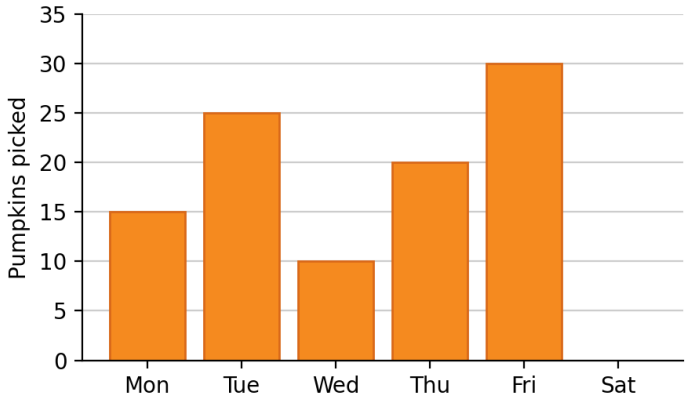
Which bush has more **red** leaves? **BIG bush** **SMALL bush**

Which bush has more **yellow** leaves? **BIG bush** **SMALL bush**

Which bush has more **green** leaves? **BIG bush** **SMALL bush**

3. The pumpkin graph

The farmer picked pumpkins every day. The graph shows how many — but the Saturday bar is missing.



a) On which day did he pick the most? _____ The least? _____ What is the difference? _____

b) On Saturday he picked 15 fewer than on Friday. How many did he pick? _____ Draw the Saturday bar.

c) How many pumpkins in the whole week, Monday to Saturday? _____

d) He needs 100 pumpkins for the market. Does he have enough? _____

4. The farmer's secret word

Solve each problem. Then find the answer in the code table and write its letter. Read the letters from top to bottom.

Problem	Answer	Letter
25 + 25		
64 − 13		
8 + 8 + 8		
79 − 37		
9 + 26		
98 − 35		
14 + 14		

Answer	Letter
24	M
28	N
35	K
36	T
42	P
51	U
50	P
63	I

The secret word (the biggest thing growing on the farm):

5. The pumpkin scales

All the pumpkins weigh the same, and all the apples weigh the same. The scales are balanced.



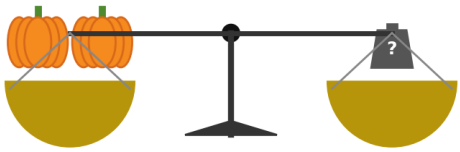
Scale A



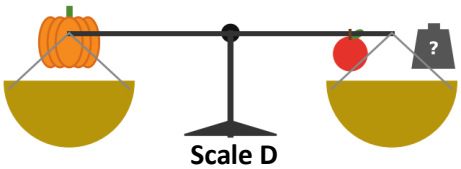
Scale B

a) Scale B: one apple weighs _____ kg.

Scale A: one pumpkin weighs the same as _____ apples, so a pumpkin weighs _____ kg.



Scale C

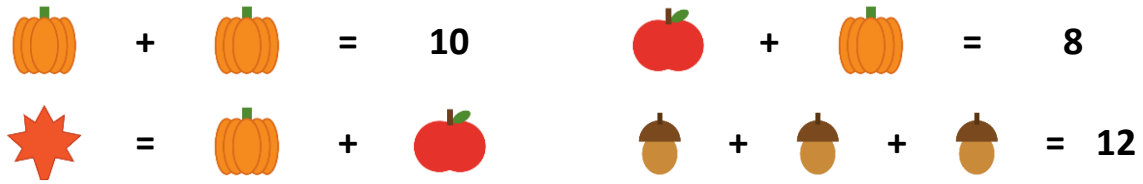


Scale D

b) What weight balances Scale C? ____ kg c) What weight balances Scale D? ____ kg

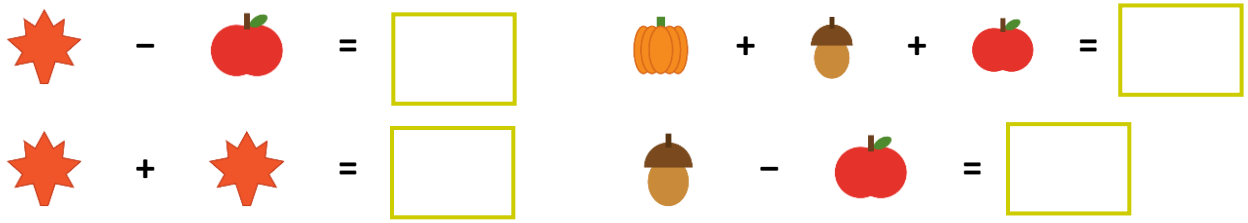
6. The hidden numbers

Every picture hides a number. The same picture always hides the same number. Find them!



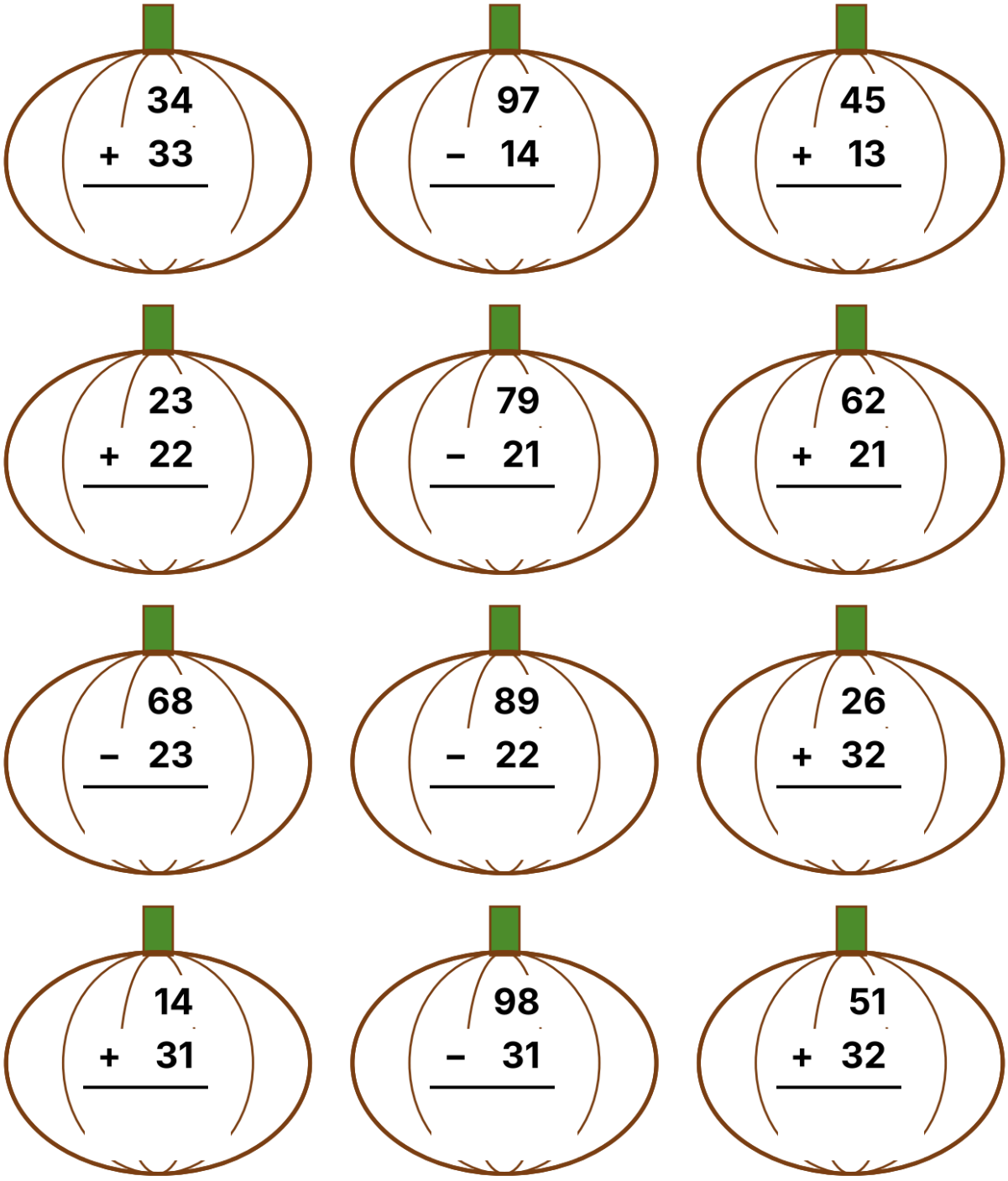
pumpkin = _____ apple = _____ leaf = _____ acorn = _____

Now use the numbers to work these out:



7. Pumpkin pairs

Work out every pumpkin and write the answer. Pumpkins with the same answer are a family: colour them the same colour. There are 4 families, so you need 4 colours.



Answer Key (for the teacher)

1. a) 25 b) 40 leaves, 8 pictures c) 15 leaves, 3 pictures d) 80 leaves, 16 pictures.

2. Big bush: 3 red, 4 yellow, 5 green; small bush: 4 red, 2 yellow, 3 green. More red: SMALL. More yellow: BIG. More green: BIG.

3. a) Friday 30, Wednesday 10, difference 20 b) 15 c) 15 + 25 + 10 + 20 + 30 + 15 = 115 d) Yes.

4. 50 P, 51 U, 24 M, 42 P, 35 K, 63 I, 28 N → PUMPKIN.

5. a) apple 2 kg; pumpkin = 3 apples = 6 kg b) 12 kg c) 8 kg

6. pumpkin 5, apple 3, leaf 8, acorn 4. Then: 8 − 3 = 5; 5 + 4 + 3 = 12; 8 + 8 = 16; 4 − 3 = 1.

7.

45: 23 + 22, 68 − 23, 14 + 31.	58: 26 + 32, 79 − 21, 45 + 13.
67: 34 + 33, 89 − 22, 98 − 31.	83: 51 + 32, 97 − 14, 62 + 21.