

Year 2

Teacher Assessment Framework

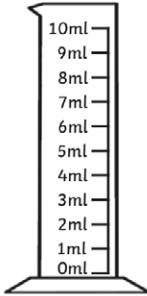
Evidence Booklet

Name: _____

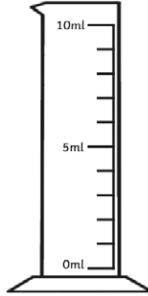
Date: _____

Reading Scales

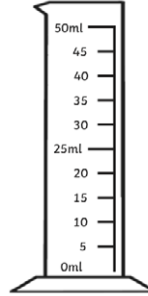
Colour each measuring cylinder to show the correct volume.



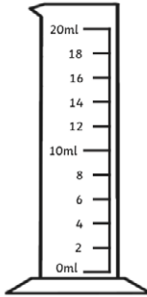
3ml



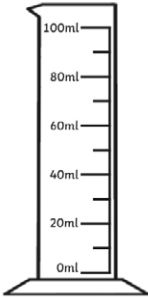
9ml



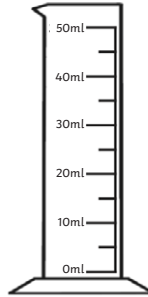
10ml



15ml

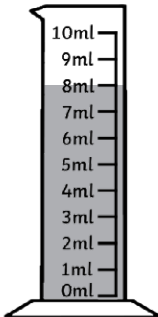


30ml

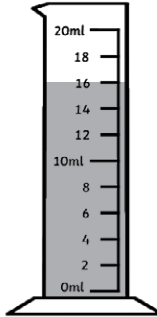


25ml

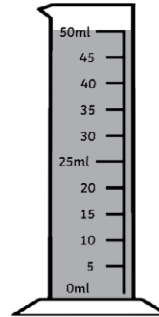
Write the volume shown below each of the measuring cylinders.



ml



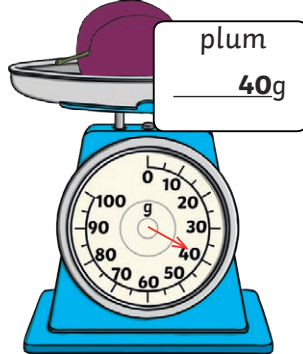
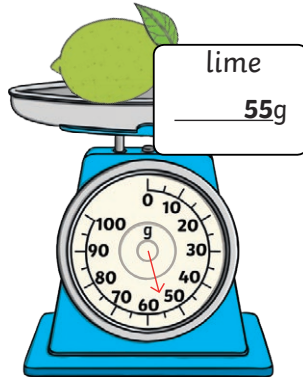
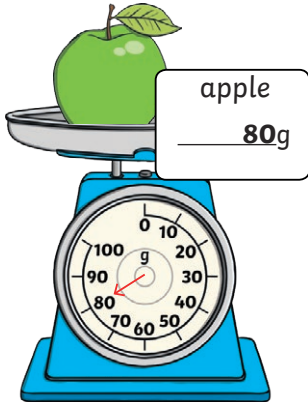
ml



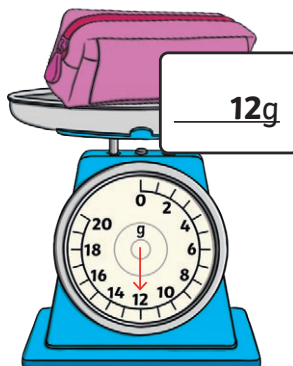
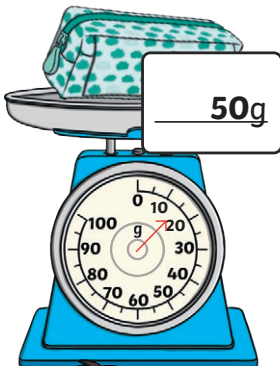
ml

Reading Scales

Write the mass of each piece of fruit.

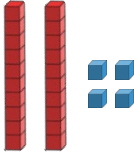
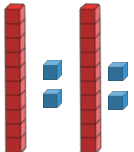
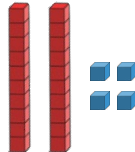
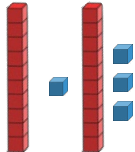
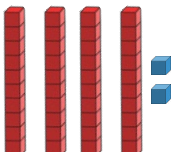
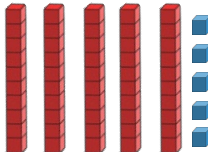
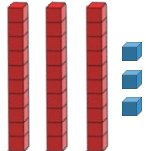


Write the mass of each pencil case. Remember to write the units.



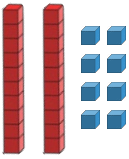
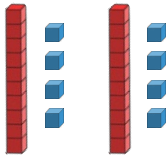
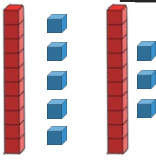
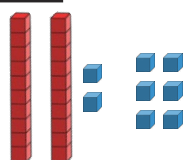
Partition Two-Digit Numbers

Build each two-digit number using base ten. Then, find 3 different ways to partition each number. Draw and write the numbers sentences. The first row has been completed for you.

 $20 + 4 = 24$	 $12 + 12 = 24$	 $22 + 2 = 24$	 $11 + 13 = 24$
 $40 + 2 = 42$	<p>Open ended questions. Answers will vary. For example: $30 + 12 = 42$</p>		
 $50 + 5 = 55$	<p>Open ended questions. Answers will vary. For example: $40 + 15 = 55$</p>		
 $30 + 3 = 33$	<p>Open ended questions. Answers will vary. For example: $20 + 13 = 33$</p>		

Partition Two-Digit Numbers

Draw pictures and write number sentences to show how each number can be partitioned in different ways. The first one has been done for you.

	
$20 + 8 = 28$	$14 + 14 = 28$
<div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 0 auto;">28</div>	
	
$15 + 13 = 28$	$22 + 6 = 28$

<p>Answers will vary. Accept any in which the numbers add up to 64. For example: $60 + 4 = 64$ $50 + 14 = 64$</p>	
<div style="border: 1px solid black; padding: 10px; display: inline-block; margin: 0 auto;">64</div>	

<p>Answers will vary. Accept any in which the numbers add up to 46. For example: $40 + 6 = 46$ $20 + 26 = 46$</p>	
<div style="border: 1px solid black; padding: 10px; display: inline-block; margin: 0 auto;">46</div>	

<p>Answers will vary. Accept any in which the numbers add up to 55. For example: $50 + 5 = 55$ $30 + 25 = 55$</p>	
<div style="border: 1px solid black; padding: 10px; display: inline-block; margin: 0 auto;">55</div>	

Subtracting Two-Digit Numbers

Solve the following subtraction calculations using an efficient strategy.

$$1. 66 - 24 = 42$$

$$2. 32 - 8 = 24$$

$$3. 72 - 17 = 55$$

$$4. 51 - 40 = 11$$

$$5. 83 - 44 = 39$$


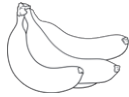






$$6. 83 - 25 = 58$$



Subtracting Two-Digit Numbers

Find the totals of the following items. Use an efficient strategy to help you.



Green Grocer's Shop

3



 55p	 23p	 36p	 30p
 55p	 47p	 48p	 39p

 + 



78p									
-----	--	--	--	--	--	--	--	--	--

 + 



91p									
-----	--	--	--	--	--	--	--	--	--

 + 



85p									
-----	--	--	--	--	--	--	--	--	--

 + 

87p									
-----	--	--	--	--	--	--	--	--	--

 + 

77p									
-----	--	--	--	--	--	--	--	--	--

 + 

91p									
-----	--	--	--	--	--	--	--	--	--

Number Bonds To and Within 20

1. $2 + \boxed{11} = 13$

2. $4 + \boxed{6} = 10$

3. $7 + \boxed{4} = 11$

4. $3 + \boxed{12} = 15$

5. $8 + \boxed{9} = 17$

6. $1 + \boxed{9} = 10$

7. $13 + \boxed{1} = 13$

8. $11 + \boxed{0} = 11$

9. $9 + \boxed{11} = 20$

10. $7 + \boxed{13} = 20$

11. $15 + \boxed{4} = 19$

12. $14 + \boxed{3} = 17$

13. $2 + \boxed{18} = 20$

14. $6 + \boxed{10} = 16$

15. $8 + \boxed{2} = 20$

16. $11 + \boxed{6} = 17$

17. $13 + \boxed{5} = 18$

18. $9 + \boxed{9} = 18$

19. $4 + \boxed{11} = 15$

20. $1 + \boxed{19} = 20$

21. $2 + \boxed{8} = 10$

22. $7 + \boxed{3} = 10$

23. $8 + \boxed{2} = 10$

24. $5 + \boxed{5} = 10$

Number Bonds To and Within 20

Look at the calculations below.

$10 - 9 =$

$10 - 8 =$

$10 - 7 =$

$10 - 6 =$

$10 - 5 =$

$10 - 4 =$

$10 - 3 =$

$10 - 2 =$

$20 - 19 =$

$20 - 18 =$

$20 - 17 =$

$20 - 16 =$

$20 - 15 =$

$20 - 14 =$

$20 - 13 =$

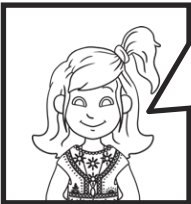
$20 - 12 =$

What is the same about both sets of calculations?

Answers will vary. Accept answers which recognise that both sets of calculations are subtractions and that the ones digit in the number being subtracted is going down by one each time. Children may also notice that the first number in both sets of calculations is a two-digit multiple of 10.

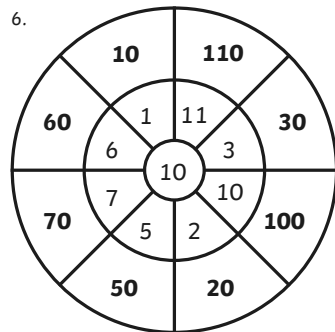
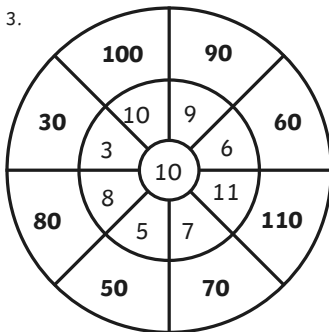
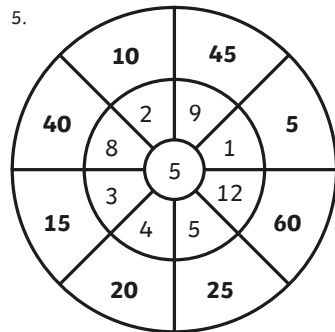
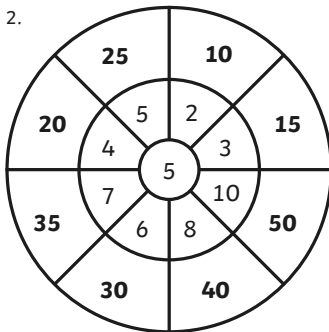
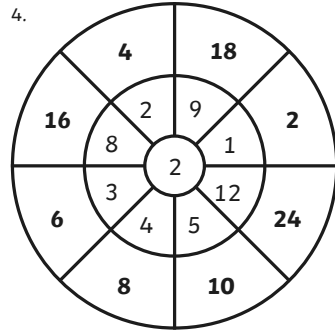
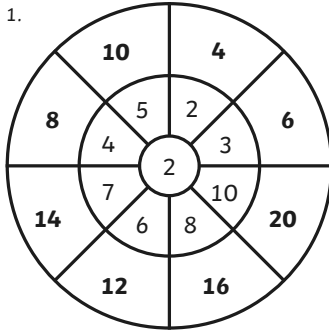
What is different about both sets of calculations?

Answers will vary. Accept answers that recognise that the first number in the calculation is 10 in the first set of calculations and 20 in the second set and that a one-digit number is being subtracted in the first set and a two-digit number in the second set.



2, 5 and 10 Times Tables Multiplication Wheels

Complete the multiplication wheels.



Multiplication and Division Problem-Solving

Solve the following problems. Use the space to help you work out the answer.

I have 50p. All my coins are 10ps. How many coins do I have?

5



I buy 6 bottles of lemonade. If there are 2 litres in each bottle, how many litres of lemonade have I brought?

12 litres



In a relay race, 4 children swim 2 lengths each. How many lengths are swum altogether?

8 lengths



Multiplication and Division Problem-Solving

Solve the following problems. Use the space to help you work out the answer.

I look after 5 dogs. I have 30 biscuits to share equally between them. How many biscuits can I give to each dog?

6 biscuits



I bake 50 buns. If I put 5 in each bag for my school cake stall, how many will I fill?

10 bags



My bookcase has 10 shelves and 10 books on each shelf. How many books are on my bookcase?

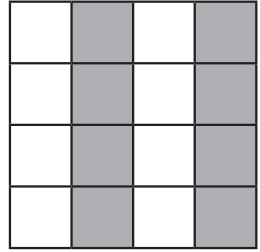
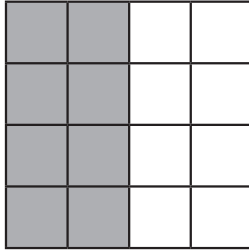
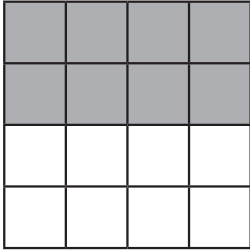


100 books

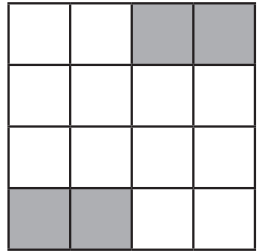
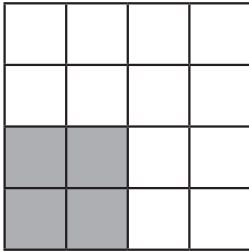
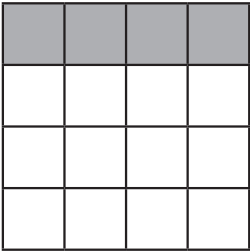
Identify $\frac{1}{4}$, $\frac{1}{3}$, $\frac{2}{4}$, $\frac{3}{4}$ of a number or shape, and know that all parts must be equal parts of the whole

Fractions of Shapes

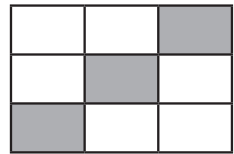
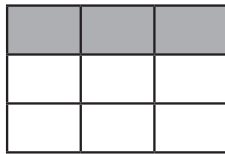
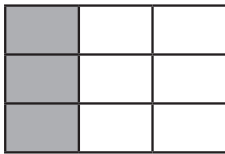
Shade $\frac{1}{2}$ of each square in different ways.



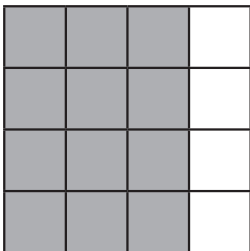
Shade $\frac{1}{4}$ of each square in different ways.



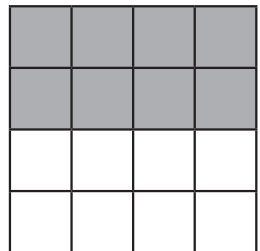
Shade $\frac{1}{3}$ of the shape in different ways.



Shade $\frac{3}{4}$ of the square.



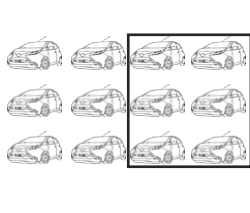
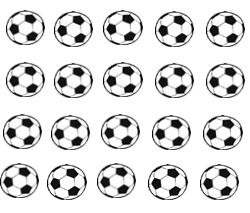
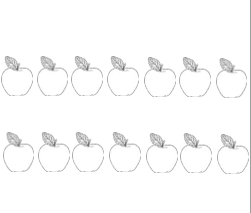
Shade $\frac{2}{4}$ of the square.



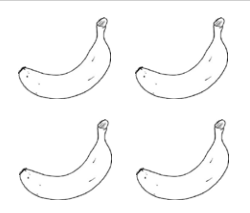
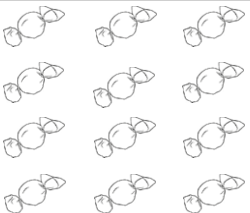
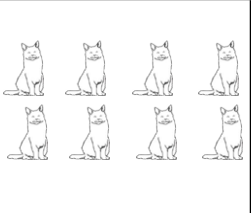
Fractions of a Number

Draw round the correct number of objects and fill in the missing numbers in the boxes. The first one has been done for you.

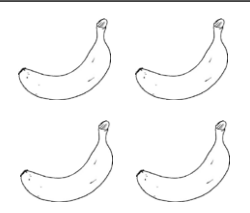
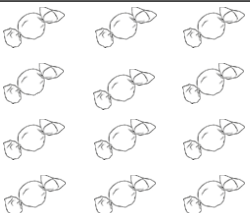
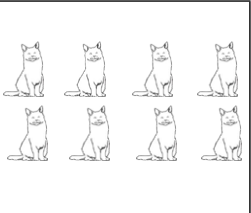
Find $\frac{1}{2}$ of these amounts.

		
Total: <input type="text" value="12"/> cars $\frac{1}{2}$ of <input type="text" value="12"/> is <input type="text" value="6"/>	Total: <input type="text" value="20"/> balls $\frac{1}{2}$ of <input type="text" value="20"/> is <input type="text" value="10"/>	Total: <input type="text" value="14"/> apples $\frac{1}{2}$ of <input type="text" value="14"/> is <input type="text" value="7"/>

Find $\frac{1}{4}$ of these amounts.

		
Total: <input type="text" value="4"/> bananas $\frac{1}{4}$ of <input type="text" value="4"/> is <input type="text" value="1"/>	Total: <input type="text" value="12"/> sweets $\frac{1}{4}$ of <input type="text" value="12"/> is <input type="text" value="3"/>	Total: <input type="text" value="8"/> cats $\frac{1}{4}$ of <input type="text" value="8"/> is <input type="text" value="2"/>

Challenge: Find $\frac{3}{4}$ of these amounts.

		
Total: <input type="text" value="4"/> bananas $\frac{3}{4}$ of <input type="text" value="4"/> is <input type="text" value="3"/>	Total: <input type="text" value="12"/> sweets $\frac{3}{4}$ of <input type="text" value="12"/> is <input type="text" value="9"/>	Total: <input type="text" value="8"/> cats $\frac{3}{4}$ of <input type="text" value="8"/> is <input type="text" value="6"/>

Use different coins to make the same amount

Money: Making Amounts

Draw coins in the piggy banks to show 50p in different ways.

Open ended question. Answers will vary. Accept any answers which equal 50p and the correct coin denominations have been used.

For example:



Money: Making Amounts

Draw coins to show different ways to make 25p

Answers will vary. Accept any answers which equal 25p and in which the correct coin denominations have been used.

For example:



Draw coins to show different ways to make 45p.

Answers will vary. Accept any answers which equal 45p and in which the correct coin denominations have been used.



Draw coins to show different ways to make 60p.

Answers will vary. Accept any answers which equal 60p and in which the correct coin denominations have been used.

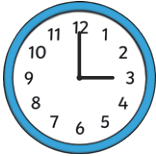
For example:



Reading the Time

What time does each clock show?

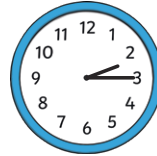
Write your answer on the line below each clock.



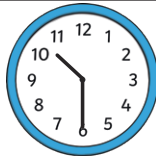
3 o'clock



half past 4



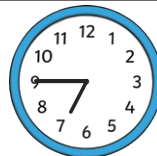
quarter past 9



half past 10



7 o'clock



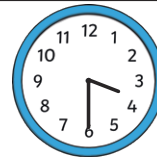
quarter to 7



half past 12



quarter to 10



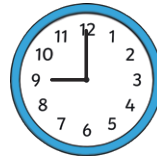
half past 3



quarter past 8



quarter to 9



9 o'clock

Reading the Time

What time does each clock show?

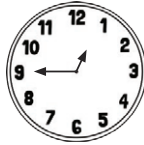
Write your answer on the line below each clock.



3 o'clock



half past 8



quarter to 1



12 o'clock



half past 6



quarter past 8



quarter past 5



half past 1



6 o'clock



half past 4



half past 3



2 o'clock



quarter past 12



half past 7



quarter to 8



5 o'clock



half past 2



quarter to 3



half past 9



1 o'clock



quarter to 6



half past 10




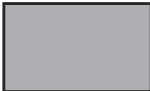
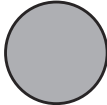


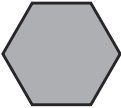
half past 11



4 o'clock

Properties of 2D Shapes

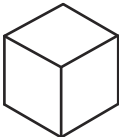
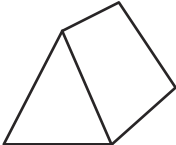
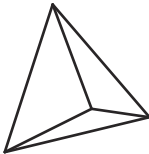
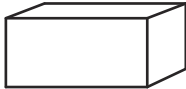
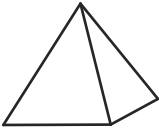
Name the shape and describe its properties.

2D Shape	Name	Properties
	square	4 straight sides, 4 vertices
	rectangle	4 straight sides, 4 vertices
	circle	1 curved side, 0 vertices
	triangle	3 straight sides, 3 vertices
	pentagon	5 straight sides, 5 vertices
	hexagon	6 straight sides, 6 vertices

Award marks if children have recognised at least two properties of each shape. Children may also note the number of lines of symmetry.

Properties of 3D shapes

Name the shape and describe its properties.

2D Shape	Name	Properties
	cube	6 square faces, 12 edges, 8 vertices
	triangular prism	3 rectangle faces, 2 triangle faces, 9 edges, 6 vertices
	triangular based pyramid	4 triangle faces, 6 edges, 4 vertices
	cuboid	6 rectangle faces, 12 edges, 8 vertices
	square based pyramid	4 triangle faces, 1 square face, 8 edges, 5 vertices

Award marks if children have recognised at least two properties of each shape.

Year 2

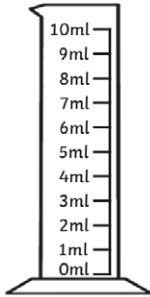
Teacher Assessment Framework

Evidence Booklet

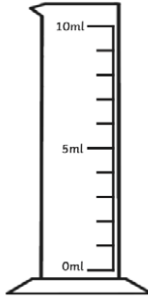
Name: _____

Date: _____

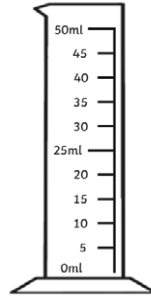
Colour each measuring cylinder to show the correct volume.



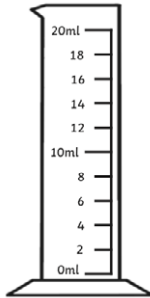
3ml



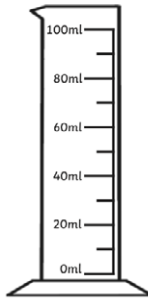
9ml



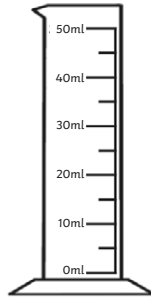
10ml



15ml

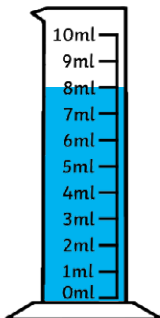


30ml

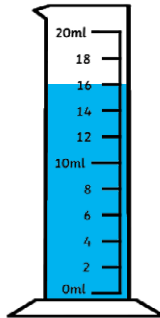


25ml

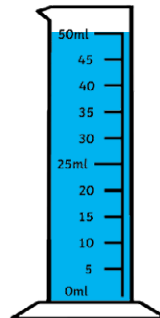
Write the volume shown below each of the measuring cylinders.



ml

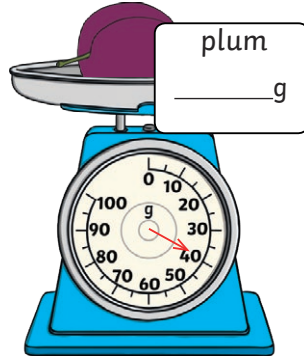
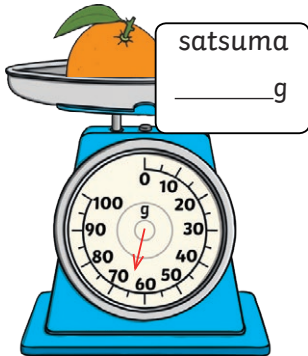
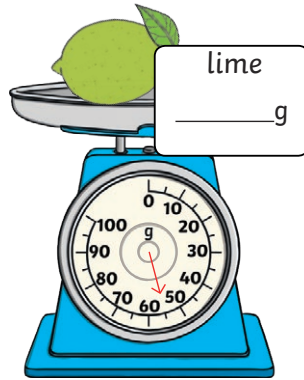
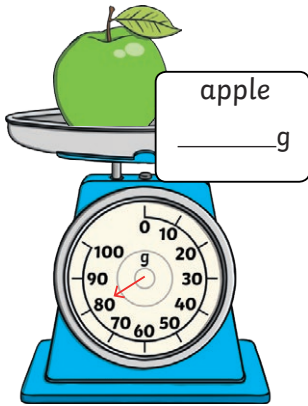


ml

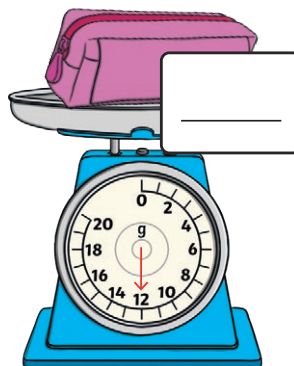
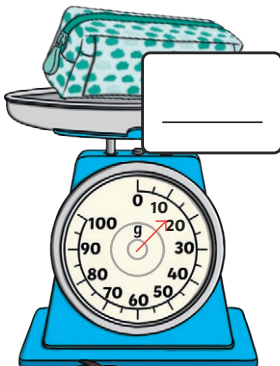


ml

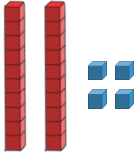
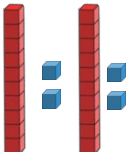
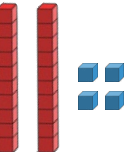
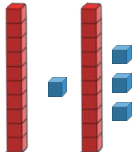
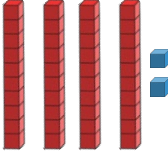
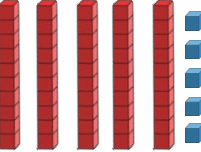
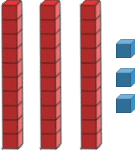
Write the mass of each piece of fruit.



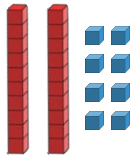
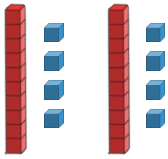
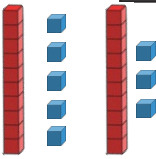
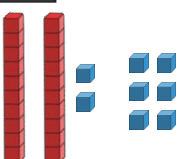
Write the mass of each pencil case. Remember to write the units.



Build each two-digit number using base ten. Then, find 3 different ways to partition each number. Draw and write the number sentences. The first row has been completed for you.

 $20 + 4 = 24$	 $12 + 12 = 24$	 $22 + 2 = 24$	 $11 + 13 = 24$
 $40 + 2 = 42$			
 $50 + 5 = 55$			
 $30 + 3 = 33$			

Draw pictures and write number sentences to show how each number can be partitioned in different ways. The first one has been done for you.

	
$20 + 8 = 28$	$14 + 14 = 28$
28	
	
$15 + 13 = 28$	$22 + 6 = 28$

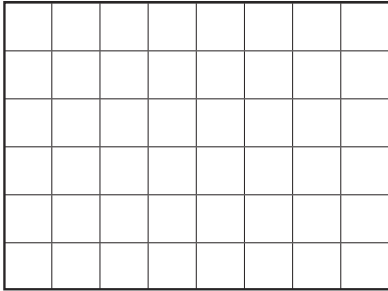
64	

46	

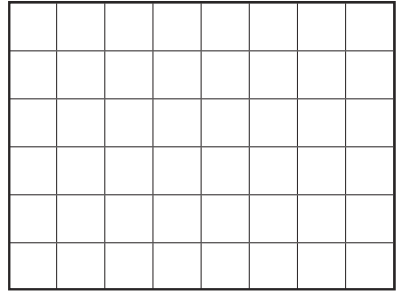
55	

Solve the following subtraction calculations using an efficient strategy.

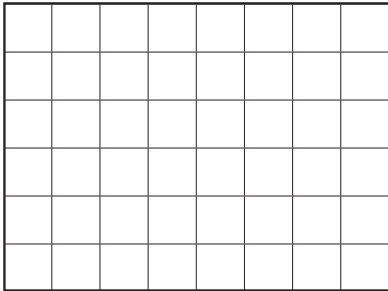
$1. 66 - 24 =$



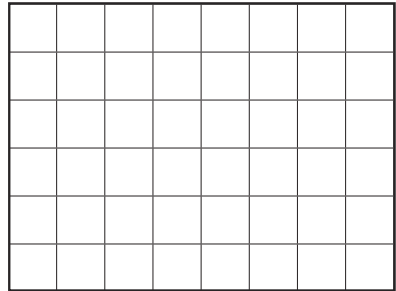
$2. 32 - 8 =$



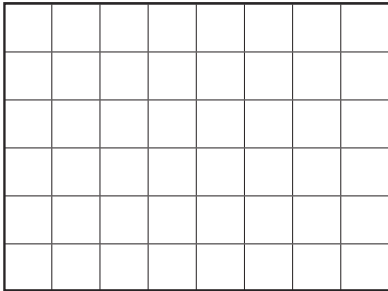
$3. 72 - 17 =$



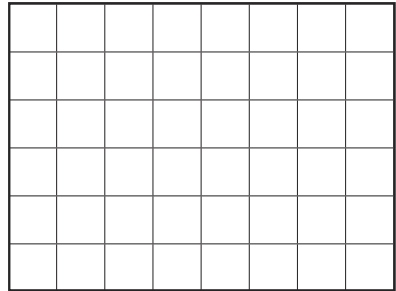
$4. 51 - 40 =$



$5. 83 - 44 =$









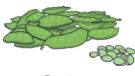

$6. 83 - 25 =$







Find the totals of the following items. Use an efficient strategy to help you.



Green Grocer's Shop

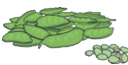

3



 55p	 23p	 36p	 30p
 55p	 47p	 48p	 39p



 + 

 + 

 + 

 + 

 + 

 + 

1. $2 + \square = 13$

2. $4 + \square = 10$

3. $7 + \square = 11$

4. $3 + \square = 15$

5. $8 + \square = 17$

6. $1 + \square = 10$

7. $13 + \square = 13$

8. $11 + \square = 11$

9. $9 + \square = 20$

10. $7 + \square = 20$

11. $15 + \square = 19$

12. $14 + \square = 17$

13. $2 + \square = 20$

14. $6 + \square = 16$

15. $8 + \square = 20$

16. $11 + \square = 17$

17. $13 + \square = 18$

18. $9 + \square = 18$

19. $4 + \square = 15$

20. $1 + \square = 20$

21. $2 + \square = 10$

22. $7 + \square = 10$

23. $8 + \square = 10$

24. $5 + \square = 10$

Look at the calculations below.

$$\begin{array}{l} 10 - 9 = \\ 10 - 8 = \\ 10 - 7 = \\ 10 - 6 = \\ 10 - 5 = \\ 10 - 4 = \\ 10 - 3 = \\ 10 - 2 = \end{array}$$

$$\begin{array}{l} 20 - 19 = \\ 20 - 18 = \\ 20 - 17 = \\ 20 - 16 = \\ 20 - 15 = \\ 20 - 14 = \\ 20 - 13 = \\ 20 - 12 = \end{array}$$

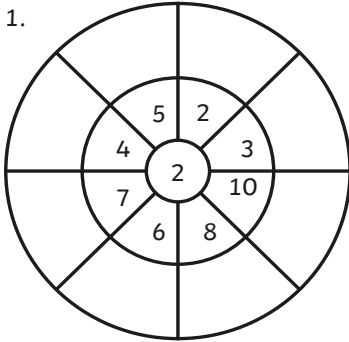


What is the same about both sets of calculations?

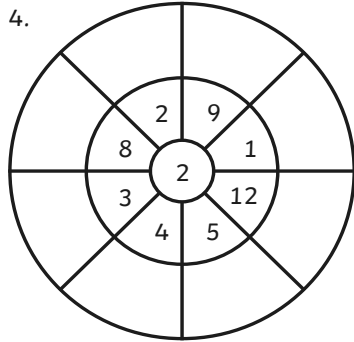
What is different about both sets of calculations?

Complete the multiplication wheels.

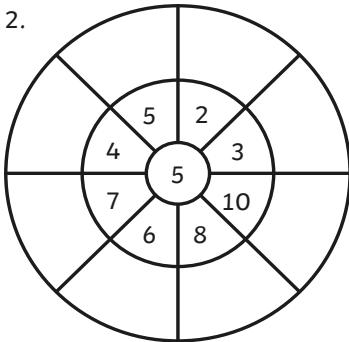
1.



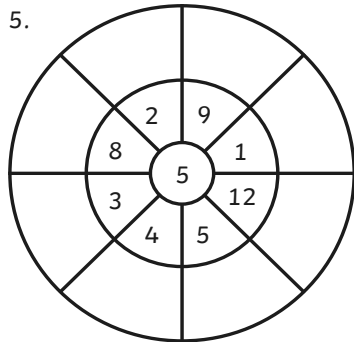
4.



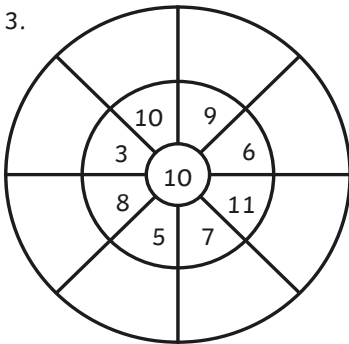
2.



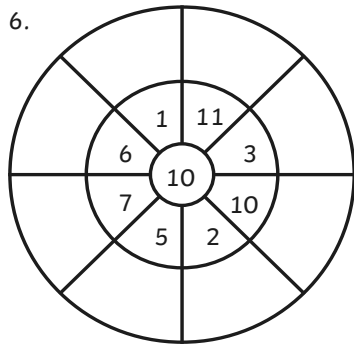
5.



3.



6.

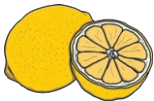


Solve the following problems. Use the space to help you work out the answer.

I have 50p. All my coins are 10p. How many coins do I have?



I buy 6 bottles of lemonade. If there are 2 litres in each bottle, how many litres of lemonade have I brought?



In a relay race, 4 children swim 2 lengths each. How many lengths are swum altogether?



Solve the following problems. Use the space to help you work out the answer.

I look after 5 dogs. I have 30 biscuits to share equally between them. How many biscuits can I give to each dog?



I bake 50 buns. If I put 5 in each bag for my school cake stall, how many will I fill?

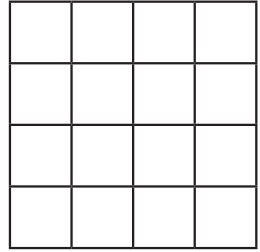
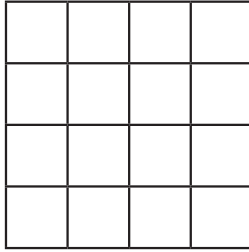
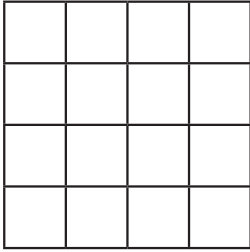


My bookcase has 10 shelves and 10 books on each shelf. How many books are on my bookcase?

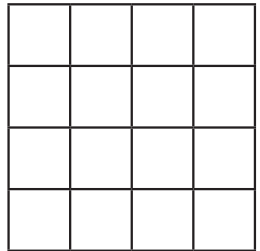
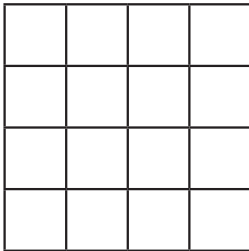
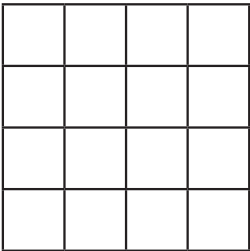


Identify $\frac{1}{4}$, $\frac{1}{3}$, $\frac{2}{4}$, $\frac{3}{4}$ of a number or shape, and know that all parts must be equal parts of the whole

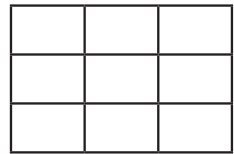
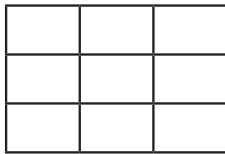
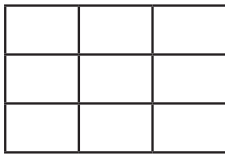
Shade $\frac{1}{2}$ of each square in different ways.



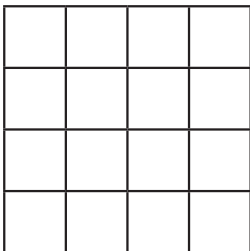
Shade $\frac{1}{4}$ of each square in different ways.



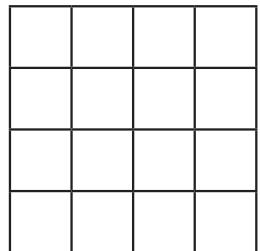
Shade $\frac{1}{3}$ of the shape in different ways.



Shade $\frac{3}{4}$ of the square.



Shade $\frac{2}{4}$ of the square.



Draw round the correct number of objects and fill in the missing numbers in the boxes. The first one has been done for you.

Find $\frac{1}{2}$ of these amounts.

<p>Total: <input type="text" value="12"/> cars</p> <p>$\frac{1}{2}$ of <input type="text" value="12"/> is <input type="text" value="6"/></p>	<p>Total: <input type="text"/> balls</p> <p>$\frac{1}{2}$ of <input type="text"/> is <input type="text"/></p>	<p>Total: <input type="text"/> apples</p> <p>$\frac{1}{2}$ of <input type="text"/> is <input type="text"/></p>

Find $\frac{1}{4}$ of these amounts.

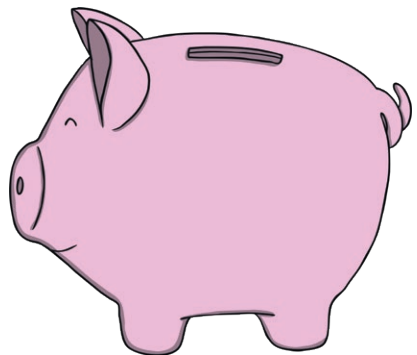
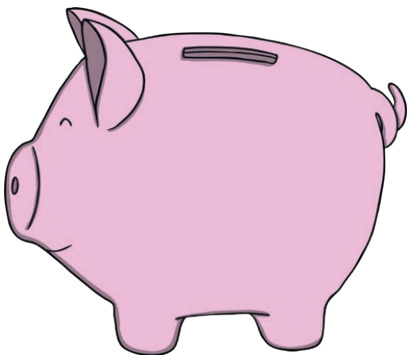
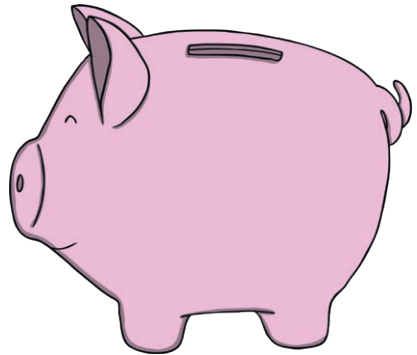
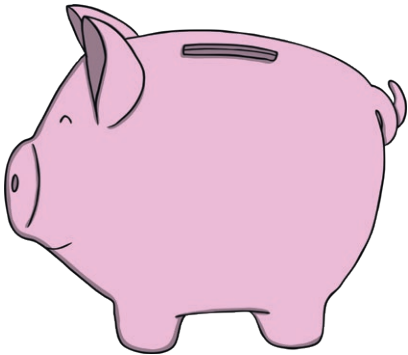
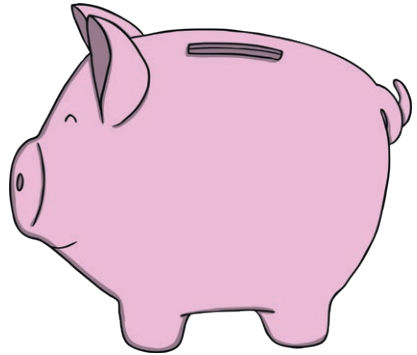
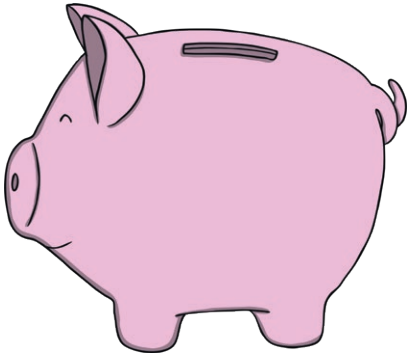
<p>Total: <input type="text"/> bananas</p> <p>$\frac{1}{4}$ of <input type="text"/> is <input type="text"/></p>	<p>Total: <input type="text"/> sweets</p> <p>$\frac{1}{4}$ of <input type="text"/> is <input type="text"/></p>	<p>Total: <input type="text"/> cats</p> <p>$\frac{1}{4}$ of <input type="text"/> is <input type="text"/></p>

Challenge: Find $\frac{3}{4}$ of these amounts.

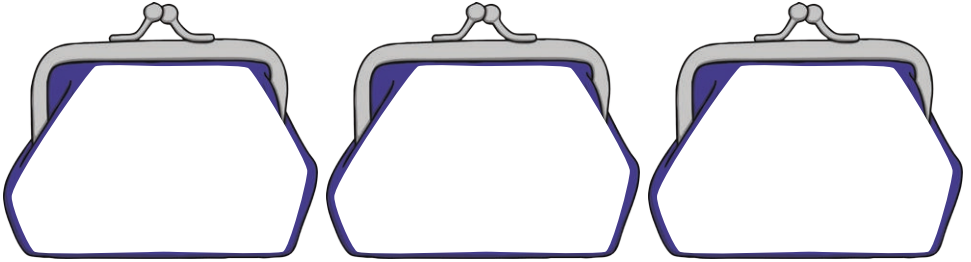
<p>Total: <input type="text"/> bananas</p> <p>$\frac{3}{4}$ of <input type="text"/> is <input type="text"/></p>	<p>Total: <input type="text"/> sweets</p> <p>$\frac{3}{4}$ of <input type="text"/> is <input type="text"/></p>	<p>Total: <input type="text"/> cats</p> <p>$\frac{3}{4}$ of <input type="text"/> is <input type="text"/></p>

Use different coins to make the same amount

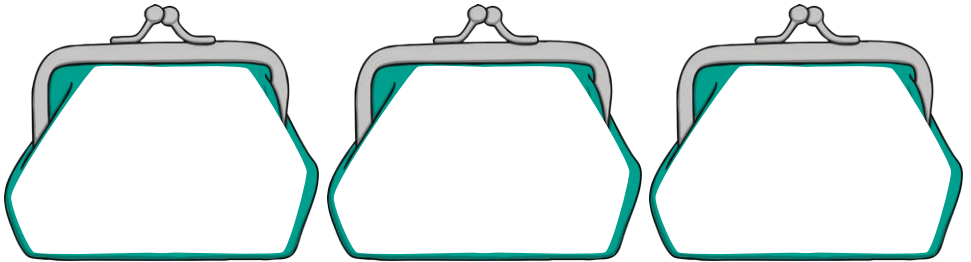
Draw coins in the piggy banks to show 50p in different ways.



Draw coins to show different ways to make 25p



Draw coins to show different ways to make 45p.

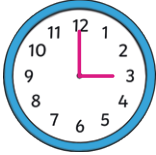


Draw coins to show different ways to make 60p.



What time does each clock show?

Write your answer on the line below each clock.













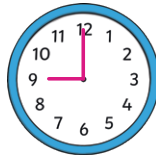












What time does each clock show?

Write your answer on the line below each clock.











































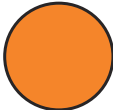











Name the shape and describe its properties.

2D Shape	Name	Properties
		
		
		
		
		
		

Name the shape and describe its properties.

2D Shape	Name	Properties
