Year 2
Maths Busy Book

Name: _____

To demonstrate an understanding of place value.

Draw each of these numbers in tens and ones.	Circle the number with **more** tens.

Draw each of these numbers in tens and ones.

32	23
64	19

Circle the number with **more** tens.

26   76   86

Circle the number with **less** ones.

41   86   32

Explain why the green number is bigger.

23 < 96

96 is _____ than 23.

It has _____ more tens.

It has _____ more ones.

Use these symbols < = > to make each statement correct.

32 [ ] 76

21 [ ] 21

85 [ ] 40

Put these numbers in order from **smallest to largest**.

23 45 17 6 96 54

_____

Put these numbers in order from **largest to smallest**.

9 14 66 75 96 41

_____

Fill in the missing numbers.

34	35			38
44		46		48
	55		57	
64			67	

To count in 2s from 0.

Complete the number sequences.

0, 2, 4, _____, 8, _____, _____

8, _____, 12, 14, _____, _____, 20

11, 13, _____, _____, 19, _____, 23

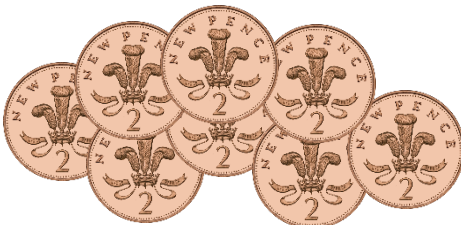32, 30, _____, _____, 24, _____, 20

Circle the multiples of 2.

13   14   6   17   20

4   23   32   11   10

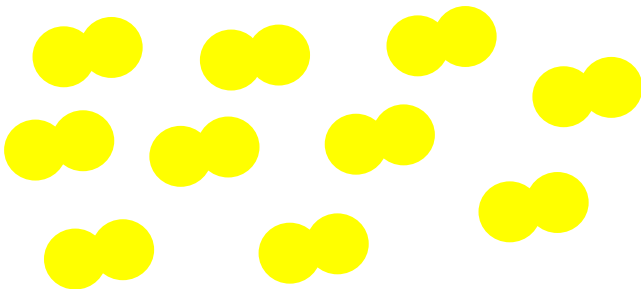What do you notice about the multiplies of 2?

_____

_____

How much money is there?

_____

Write a number sentence to show how many legs 4 chickens have.

_____

How many circles are there?

How did you count them all?

_____

How many socks do you need for 8 people?
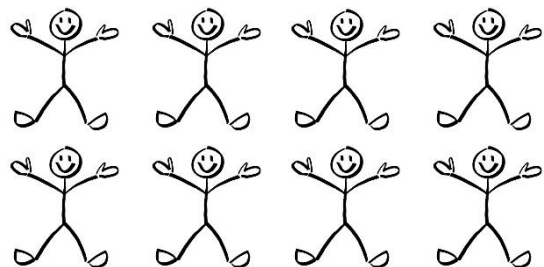
socks.

To count in 5s from 0.

Complete the number sequences.

0, 5, 10, _____, 20, _____, _____

15, _____, 25, 30, _____, _____, 45

21, 26, _____, 36, 41, _____, 51

50, 45, _____, _____, 30, _____, 20

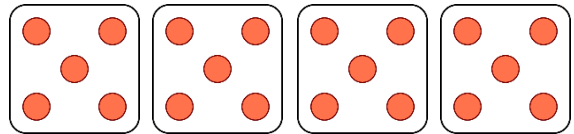Circle the multiples of 5.

15   14   6   45   20

5   23   35   11   10

What do you notice about the multiplies of 5?

_____

_____

How much money is there?

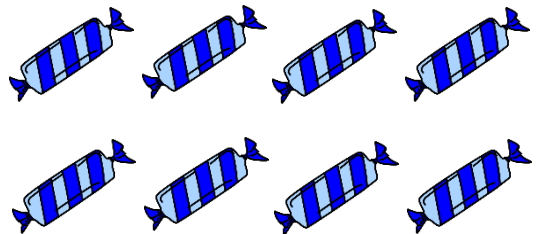Write a number sentence to show how much the dice are worth altogether.

_____

How many points of the stars are there?

How did you count them all?

_____

Each sweet is worth 5p. What is the total of 8 sweets?

To count in 10s from 0.

Complete the number sequences.

0, 10, 20, _____, 40, _____, _____

30, _____, 50, 60, _____, _____, 90

11, 21, _____, _____, 51, _____, 71

80, 70, _____, _____, 40, _____, 20

Circle the multiples of 10.

30   14   6   17   20

4   80   40   11   10

What do you notice about the multiplies of 10?

_____

_____

How much money is there?

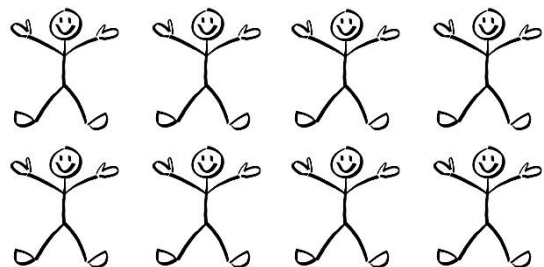Each book costs 10p. Write a number sentence to how much four books are altogether.

_____

How many toes are there?

How did you count them all?

_____

How many fingers do 8 people have altogether?

fingers.

To read and write numbers to 100.

Complete the number sequences.

0, 1, 2, _____, 4, _____, _____

30, _____, 32, 33, _____, _____, 36

11, 12, _____, _____, 15, _____, 17

80, 79, _____, _____, 76, _____, 74

Draw the number 49.

_____

Draw the number 26.

Circle the number that matches the picture.
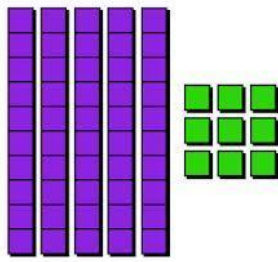
95   43   59   21   87

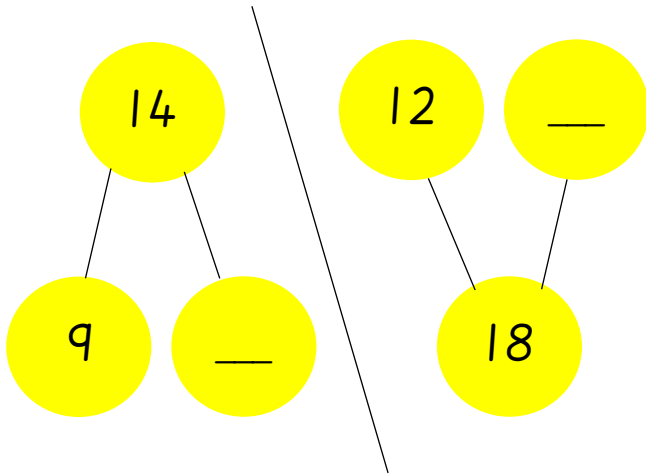What number is shown here?

Fill in the missing boxes.

14	
	forty one
	sixty three
79	
8	

Match the correct number to the word.

19   forty three

43   ninety one

72   nineteen

91   seventy two

To use number bonds and related subtraction facts within 20.

Complete the part whole models.

14
9 __

12 __
   18

Circle two numbers that make 15.

10   12   3
8   4
5   1
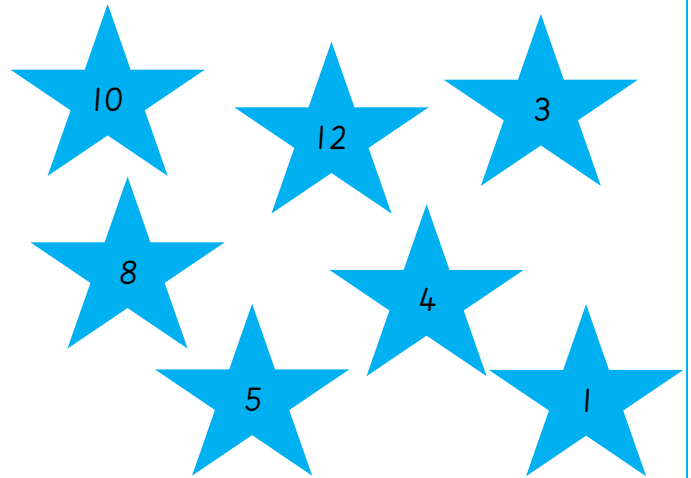
To open the safe, both numbers must add together to make 20. What numbers could open the safe?

Find three ways of making 13.

_____ + _____ = 13

_____ + _____ = 13

_____ - _____ = 13

Find three ways of making 19.

_____ + _____ = 19

_____ + _____ = 19

_____ - _____ = 19

Which bone does the dog need to eat to match the number on his food bowl?

18+1

14+9

15+5

20

BONES
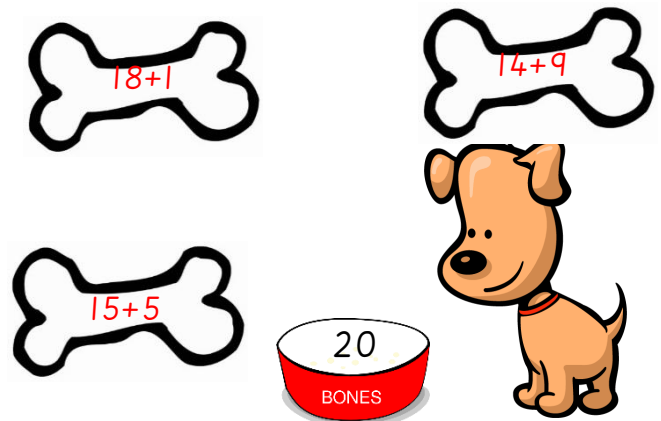
To add and subtract a two-digit number and ones/tens.

Calculate the answers.

+ =

+ =
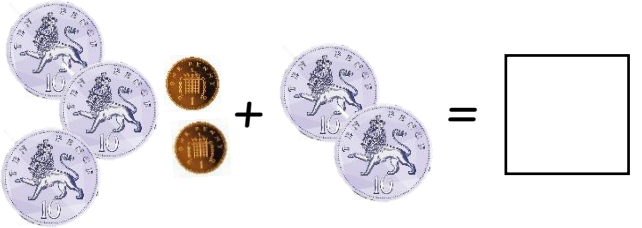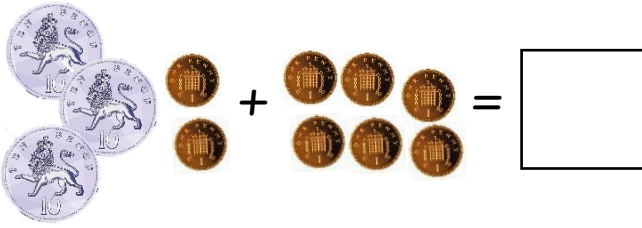
Calculate the answers.

63 + 5 = _____ | 47 − 4 = _____

21 + 40 = _____ | 39 - 20 = _____
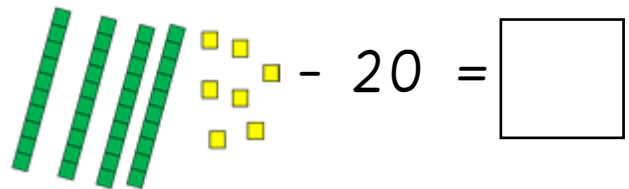
Calculate the answers.

A banana costs 23p and an apple costs 10p. What is the total?

A book costs 98p. The shopkeeper gives you 7p off. What is the cost of the book now?

Calculate the answers.
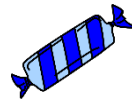
− 20 =

− 4 =
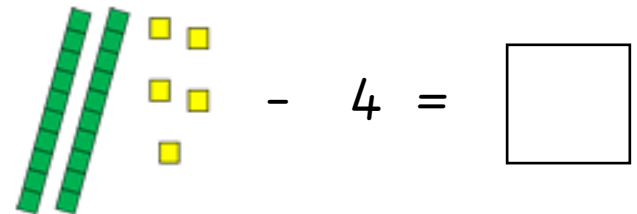
Calculate the answers.

41 + 8 = _____ | 69 − 5 = _____

38 + 20 = _____ | 92 - 50 = _____

Calculate the answers.

A sweet costs 41p and a chocolate costs 8p. What is the total?

A pencil costs 63p. The shopkeeper gives you 30p off. What is the cost of the pencil now?

To recall doubles and halves to 20.

Write the answer to each of these doubles.

double 1 is _____

double 5 is _____

double 10 is _____

double 7 is _____

double 9 is _____

Write the answer to each of these halves.
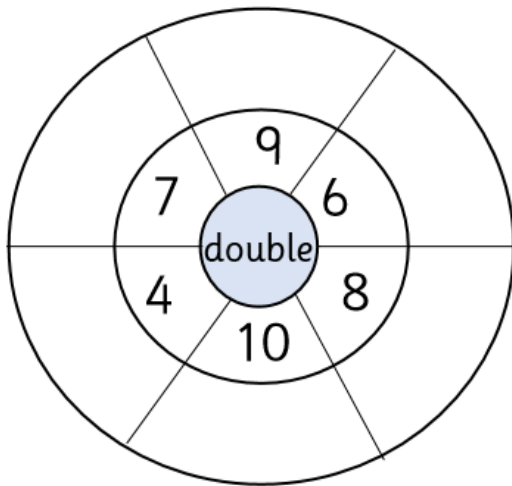
half of 10 is _____
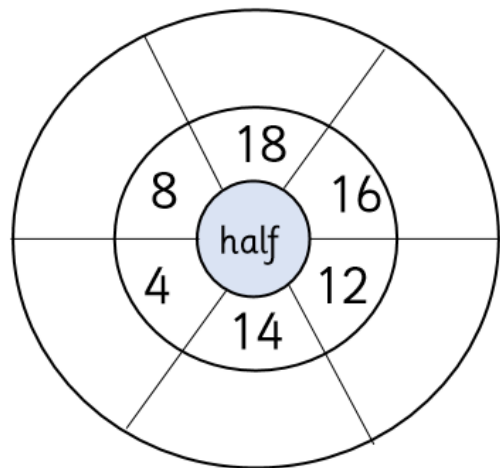
half of 20 is _____

half of 8 is _____

half of 12 is _____

half of 16 is _____

Complete the circle.

Complete the circle.

Write the answer to each of these questions.

10 + 10 = _____

4 + 4 = _____

7 + 7 = _____

8 + 8 = _____

2 + 2 = _____

Write the answer to each of these questions.

10 – 5 = _____

18 – 9 = _____

20 – 10 = _____

6 – 3 = _____

12 – 6 = _____

To recognise and name 2D and 3D shapes.
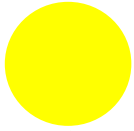
Write the name of each shape.	Write the name of each shape.

_____

_____

_____

_____

_____

_____
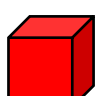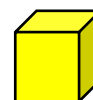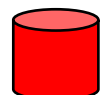
_____

_____

_____

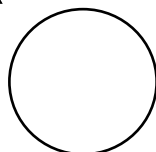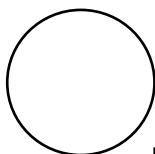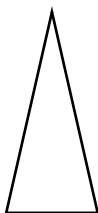| Circle the shape that does not belong in each group.	Circle the shape that does not belong in each group.

circles
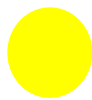
triangles
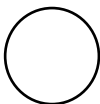
cubes

cylinders

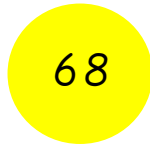| Colour the triangles green, the circles yellow and squares red.	Write the name of the 3D shape you can see.

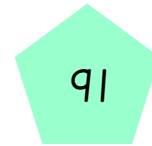_____

_____

_____

To partition two-digit numbers into tens and ones.

Continue the pattern.	Continue the pattern.
68	**91**
60 + 8 = 68 50 + 18 = 68 40 + 28 = 68	9 tens and 1 one 8 tens and 11 ones 7 tens and 21 ones 6 tens and 31 ones

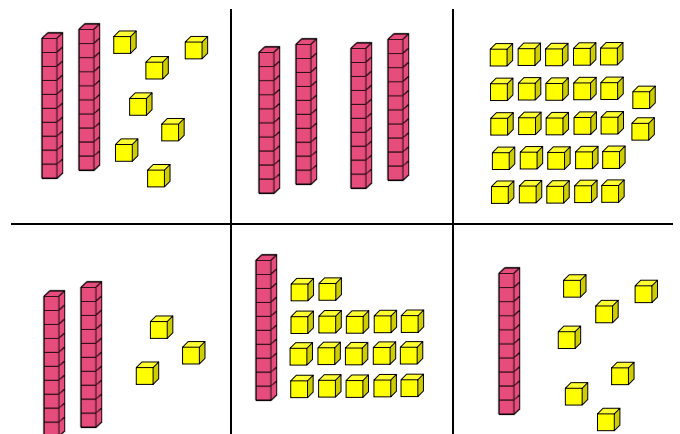| Draw this number in four different ways.	True or false?
45	32 = 3 tens and 2 ones ( ) 45 = 3 tens and 15 ones ( ) 17 = 1 ten and 17 ones ( ) 60 = 6 tens and 60 ones ( ) 28 = 28 ones ( ) 91 = 9 tens and 1 one ( ) 53 = 4 tens and 23 ones ( ) 74 = 1 ten and 64 ones ( ) 86 = 86 ones ( )
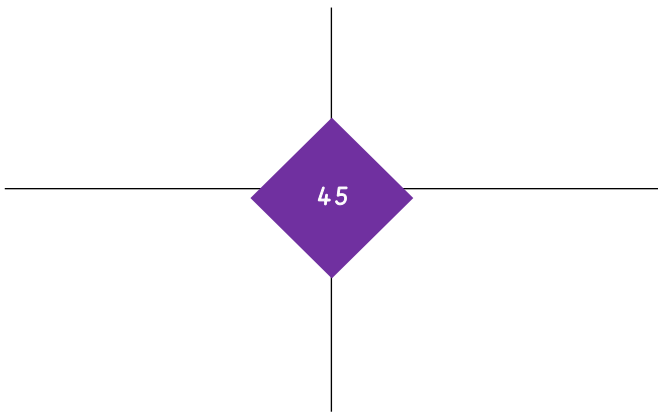
Match the number to the correct sentence.

29	2 tens and 23 ones
43	5 tens and 41 ones
72	1 ten and 19 ones
91	3 tens and 42 ones

Circle the pictures that match 27.

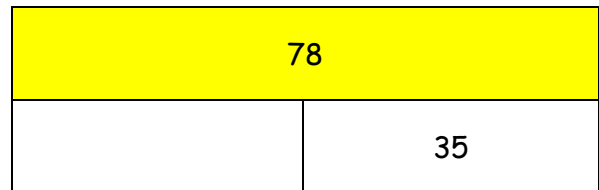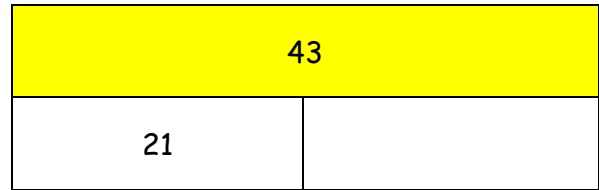To add 2 two-digit numbers within 100.

Calculate the answers.

63 + 25 = _____

47 + 52 = _____

21 + 47 = _____

16 + 33 = _____

Complete the bar models.

43	
21	

78	
	35

Complete the missing number problems.

$$45 + \boxed{} = 76$$

$$\boxed{} + 33 = 68$$

$$17 + \boxed{} = 99$$

Calculate the answers.

43 + 26 = _____

14 + 52 = _____

11 + 37 = _____

58 + 30 = _____

Calculate the answers.

13 + 87 = _____

47 + 22 = _____

61 + 37 = _____

18 + 40 = _____

Calculate the answers.

A sweet costs 41p and a chocolate costs 48p. What is the total?
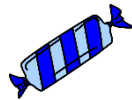
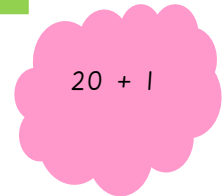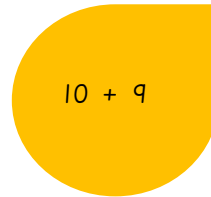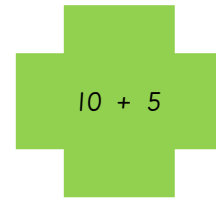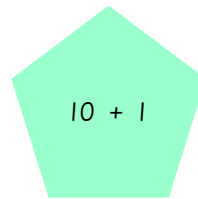A pencil costs 63p and a book costs 27p. What is the total?

To estimate answers.

Estimate how many sweets there are altogether.

Circle the two calculations that are **close** to 20.

10 + 1

10 + 5

20 + 1

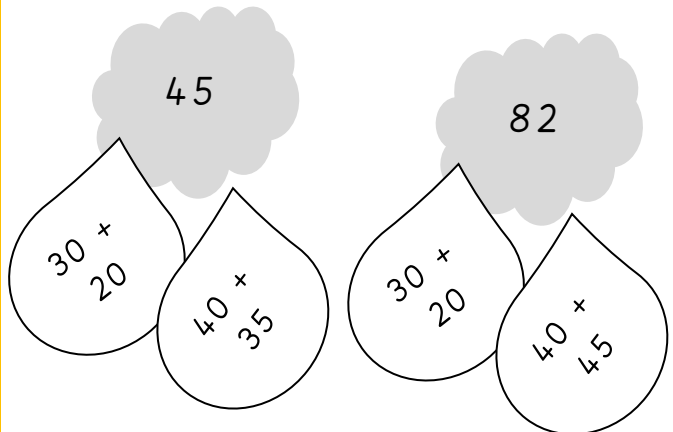10 + 9

Circle the calculation that is wrong by estimating.

25 + 17 = 77

41 + 18 = 60

Explain your answer.

_____

_____

_____

Colour in raindrop with the reasonable estimation.

45

30 + 20

40 + 35

82

30 + 20

40 + 45

Colour in raindrop with the reasonable estimation.

39

80 - 40

40 - 15

68

70 - 60

100 - 30
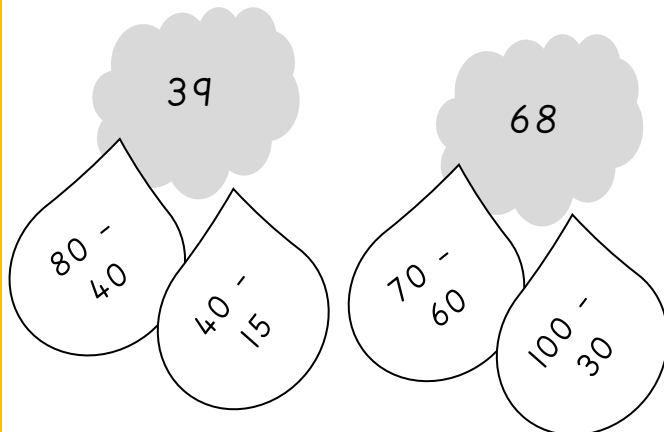
Estimate how many lights are on the Christmas tree.

ESTIMATION180.com

13

To subtract mentally.

Calculate the answers.

63 - 21 = _____   57 - 42 = _____

48 - 25 = _____   36 - 13 = _____

Write five subtraction calculations that make 25.

25
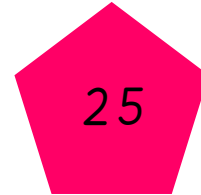
Complete the missing number problems.

76 − 45 = ☐

68 − ☐ = 33

15 = 48 − ☐

Calculate the answers.

99 - 56 = _____   82 - 61 = _____

18 - 14 = _____   39 - 24 = _____

Calculate the answers.

75 - 23 = _____   66 - 42 = _____

29 - 18 = _____   59 - 39 = _____

Calculate the answers.

A sweet costs 48p. Ben has only got 32p. How much more money does he need to buy the sweet?
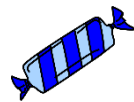
There are 85 people on the train. 41 people get off at the next stop. How many people are on the train now?

14

To recognise the inverse between addition and subtraction.

Write two addition and two subtraction calculations that you can make from these numbers: 20 12 8	If I know that 6 + 4 = 10, what else do I know?

35 + 23 = 58 What other calculations can you tell me?	Match the inverse calculations. 42 + 15 49 - 18 18 + 31 96 - 24 72 + 24 57 - 15 55 + 12 67 - 55

Write two addition and two subtraction calculations that you can make from these numbers: 29 51 80	Mrs Gobble says "26 + 13 = 49". Use the inverse to see if Mrs Gobble is correct. Explain your answer. _____ _____ _____

To recall and use multiplication and division facts.

Complete the missing number problems.

$10 \times 9 = \boxed{}$

$8 \times \boxed{} = 40$

$12 = \boxed{} \times 2$

Write two multiplication and two division calculations that you can make from these numbers:

14   7   2

Write two multiplication and two division calculations that you can make from these numbers:
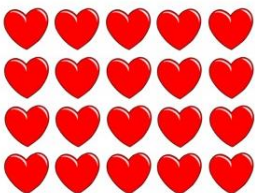
5   45   9

Calculate the answers.

A train carriage has 6 seats in a row. There are 10 rows. How many seats are there altogether?

Sam has 3 boxes of 10 pencils and Anna has 4 boxes of 5 pencils. Who has more?

Write two multiplication calculations for this array.

Can you write a repeated addition calculation to match the array?

_____

Complete the missing number problems.

$70 \div 10 = \boxed{}$

$35 \div \boxed{} = 5$

$9 = 18 \div \boxed{}$

To identify fractions.

Calculate the answers.

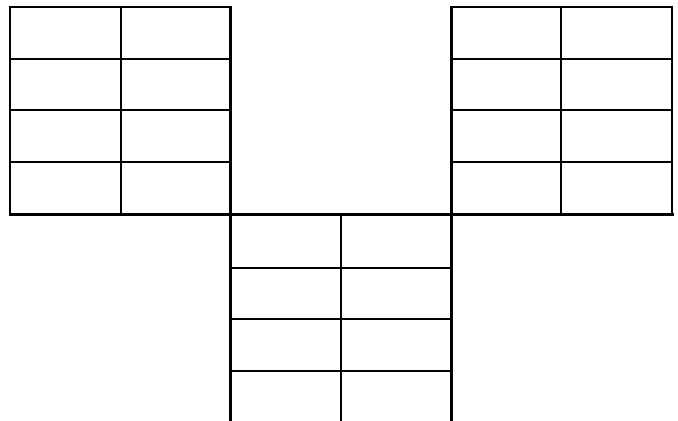½ of 16 = _____   ¼ of 20 = _____

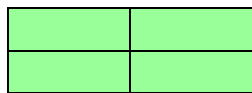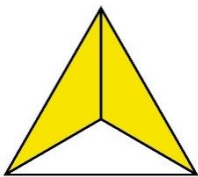1/3 of 30 = _____   ¾ of 40 = _____

Shade in 1/4 of these shapes.
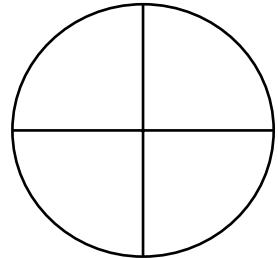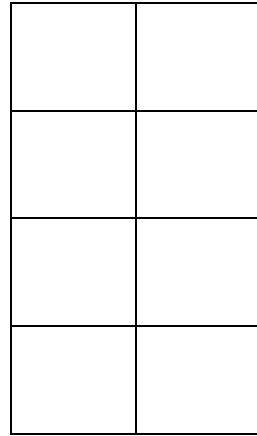
Rupert thinks ¼ of 32 = 7. Is he correct?
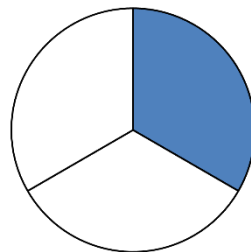
Shade in a half of these shapes in different ways.

What fraction of the shapes are shaded in?

What is this fraction the same as?

Chloe has shaded in 2/3 of this shape. Is she correct? Explain your answer.

_____

_____

_____

_____

To use different coins to make the same amount.

|	
How many £1 coins do you need to make £10.	How many £2 coins do you need to make £20?
Circle three coins that make 80p. Circle four coins that make 95p.	A fidget spinner costs 50p. Find four different ways to pay for it.
A football costs 73p. Find four different ways to pay for it.	How many 20p coins do you need to make £1? #how many 5p coins do you need to make 50p?

To read scales.

Write the temperature for each thermometer.
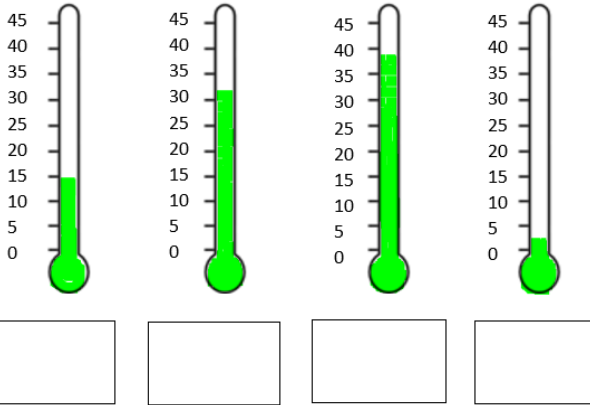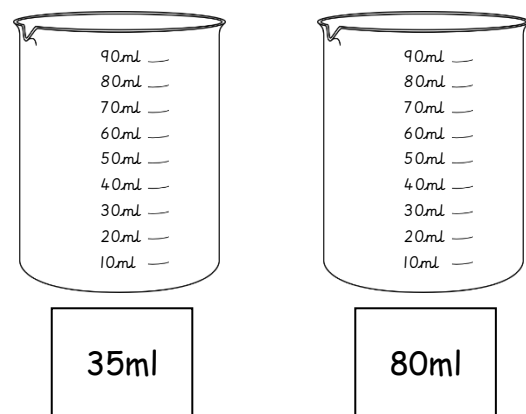

Draw the temperature for each thermometer.

35°	12°	27°	4°
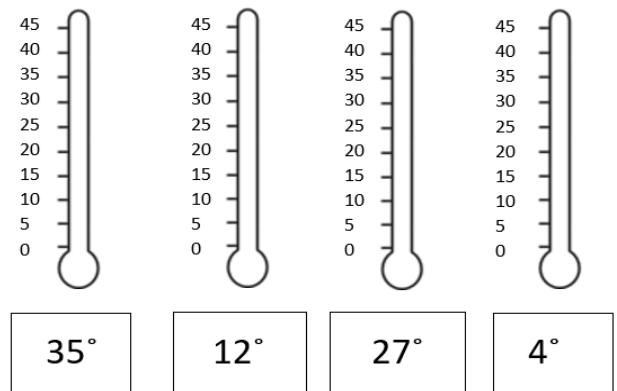
Write the amount of liquid in each container.

_____ml

_____ml
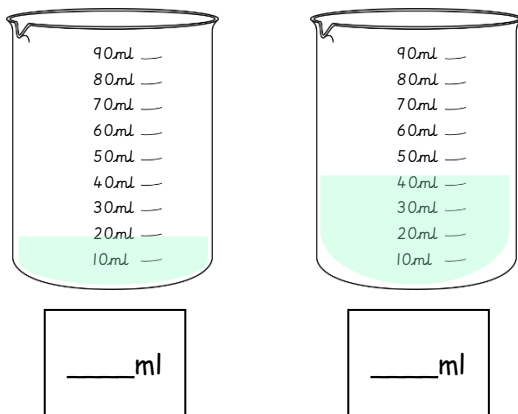
Shade in the measuring jug with the correct amount of liquid.

35ml	80ml

Write the weight on each of the scales.

_____g

_____g
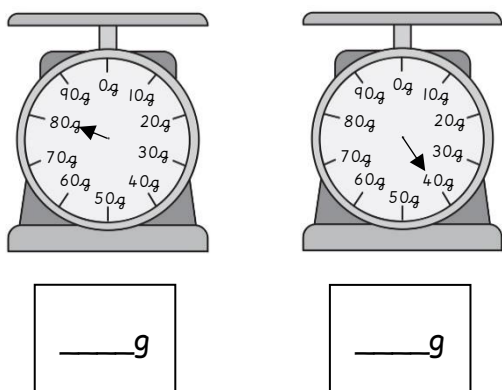
Draw an arrow on each scale to match the correct weight.

25g	90g

19
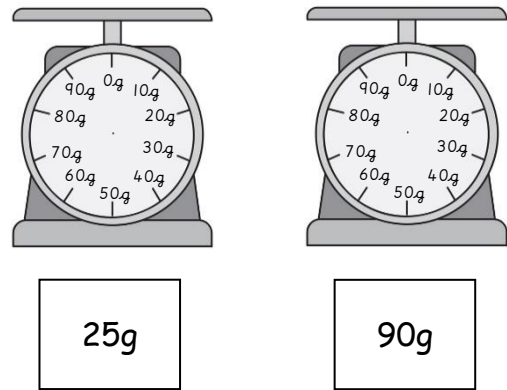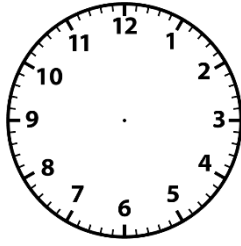
To read the time on a clock to the nearest 15 minutes.

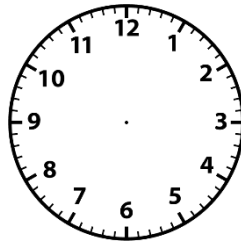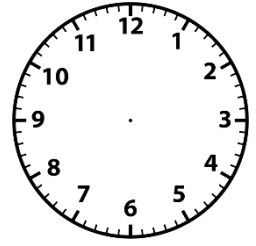Draw the hands on the clock to show each time.
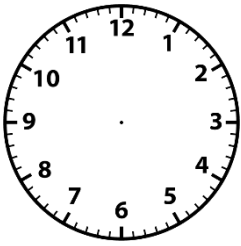
| 7 o'clock | 3 o'clock |

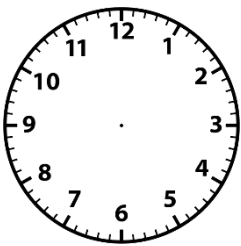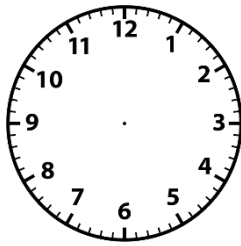Draw the hands on the clock to show each time.

| half past 5 | half past 10 |

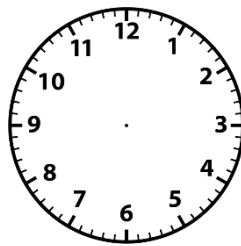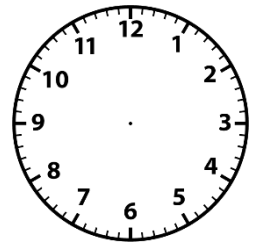Draw the hands on the clock to show each time.

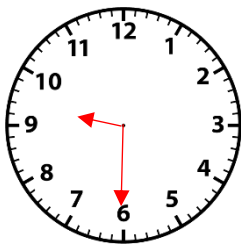| quarter past 2 | quarter past 11 |

Draw the hands on the clock to show each time.
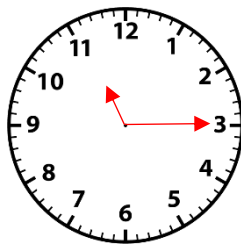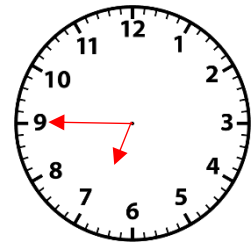
| quarter to 8 | quarter to 4 |

Are the times for each clock correct? If not, write the correct time underneath.

| half past 12 | quarter past 11 | quarter to 7 |
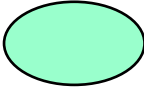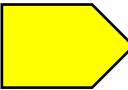
To describe properties of 2D shapes.

shape	name	properties		shape	name	properties
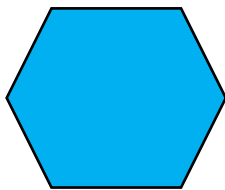
Write down everything you know about this shape.

Write down everything you know about this shape.

Which shape is the odd one out? Explain your reason why.

_____
_____
_____
_____

Which shape is the odd one out? Explain your reason why

_____
_____
_____
_____

To describe properties of 3D shapes.

shape	name	properties

Write down everything you know about this shape.

Write down everything you know about this shape.

Write down everything you know about this shape.

Which shape is the odd one out? Explain your reason why.

_____
_____
_____
_____

Which shape is the odd one out? Explain your reason why

_____
_____
_____
_____
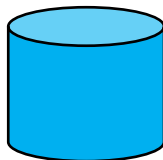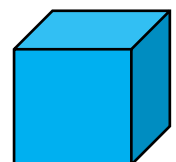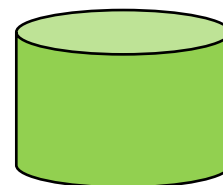
To reason about addition.

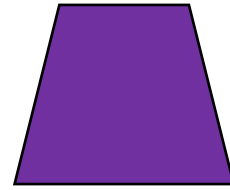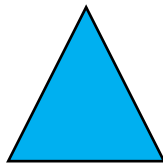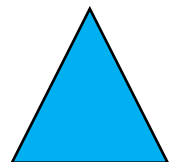|	
Always, sometimes or never? Explain. The sum of 3 odd numbers will always be odd. _____ _____ _____ _____	Always, sometimes or never? Explain. If you add two even numbers together, the answer will always be odd. _____ _____ _____ _____
Prove it. When you halve an even number, the number will always be even. _____ _____ _____ _____	Prove it. When you double an odd number, you will always get an odd number. _____ _____ _____ _____
What digits could go in the boxes? ☐0 + ☐0 = 100 _____ _____ _____	What digits could go in the boxes? 10 + ☐ + ☐ = 21 _____ _____ _____

To use multiplication facts to make deductions.

If I count in 10s, would I ever say 187? Explain your reason why. _____ _____ _____ _____ _____	Circle all the numbers in the 5 times tables. Explain your answers. 10 43 67 95 32 40 105 220 85 75 140 108 _____ _____
True or false? Explain 2 x 83 = 167 _____ _____ _____ _____	Write each number in the correct box. <table><tr><td>2s</td><td>5s</td><td>10s</td></tr><tr><td></td><td></td><td></td></tr></table> 235 22 70 405 340 175 560 36
Which answer is correct? Explain your reason why. 15 x 10 = 152 115 150 158 _____ _____ _____	Which answer is correct? Explain your reason why. 74 x 2 = 148 147 142 _____ _____ _____

To work out mental calculations where regrouping is required.

Calculate the answers.

63 - 28 = _____ | 57 - 49 = _____

---

41 - 25 = _____ | 36 - 17 = _____

Calculate the answer.

There are 91 sweets in a jar. Sam eats 16 of them and Anna eats 33 of them. How many sweets are left now?

Complete the missing number problems.

72 – 45 = ☐

68 – ☐ = 39

19 = 48 – ☐

Calculate the answers.

93 - 56 = _____ | 82 - 64 = _____

---

35 - 17 = _____ | 34 - 29 = _____

Calculate the answers.

75 - 28 = _____ | 66 - 49 = _____

---

25 - 19 = _____ | 53 - 39 = _____

Calculate the answer.

There are 85 people on the train. 41 people get off at the next stop and 17 people get off after that. How many people are on the train now?

To solve more complex missing number problems.

Calculate the answer.	Calculate the answer.
There are 54 cookies in a jar. Sam eats 6 of them and Anna eats some of them. There are 28 left. How many did Anna eat?	Sophie and Jim have 43 toy cars. Sophie put 8 of them in her bag and Jim picked up some in his hand. There were now 19 cars left. How many are in Jim's hand?

Complete the missing number problems.

$$72 - 45 = \boxed{}$$

$$68 - \boxed{} = 39$$

$$19 = 48 - \boxed{}$$

Calculate the answers.

$$93 - 56 = \underline{} + 18$$

$$71 - \underline{} = 13 + 46$$

Calculate the answers.

8 + _____ - 6 = 20   _____ + 6 – 10 = 14

13 + _____ - 8 = 30 + 4   ____ - 15 + 6 = 45 - 10

Calculate the answer.

There are 63 people on the train. 17 people get off at the next stop and some people get off at the second stop. There are now 15 people on the train. How many people got off at the second stop?

To determine remainders.

Circle the calculations that will have a remainder.

15 ÷ 6	70 ÷ 10
32 ÷ 5	41 ÷ 2

Calculate the answer.

How many pairs of gloves can I get from 13 gloves?

Calculate the answer.

How many pairs of socks can I get from 19 socks?

Calculate the answers.

5 flowers fit in a vase. How many flowers would there be in 4 vases?

How many vases would I need for 34 flowers? Would there be space left over in the vase?

Circle the calculations that will have a remainder.

30 ÷ 5	72 ÷ 5
85 ÷ 10	30 ÷ 3

Calculate the answer.

How many pairs of shoes can I get from 23 shoes?

To solve word problems with more than one step.

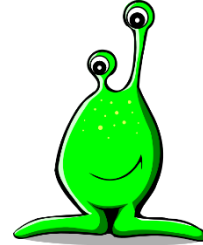|	
Who has more? Circle your answer and explain. Sam has 3 packs with 10 biscuits in each pack. _____ Anna has 5 packs with 5 biscuits in each pack. _____ _____ _____	Calculate the answer. Sally has 43 stickers and gave 5 to her brother. Chris has 41 stickers and dropped 2. Who now has the most stickers?
Calculate the answer. Flo brought her friend 27 Smiggle rubbers. Her friend opened them, dropped 4 and gave 7 to her sister. How many rubbers were left?	Who has more? Circle your answer and explain. Stuart has 4 packs with 3 balloons in each pack. _____ Freya has 6 packs with 2 balloons in each pack. _____ _____ _____
Who has more? Circle your answer and explain. Ben has 10 boxes with 7 eggs in each box. _____ Sue has 20 boxes with 5 eggs in each box. _____ _____ _____	Calculate the answer. Henry had 63 football cards. He gave 4 to Rob, 8 to Tom and 6 to Jack. How many football cards does Henry have left?
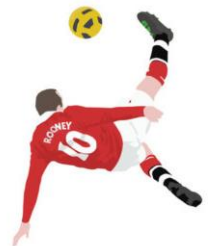
To recognise relationships between addition and subtraction.

How many different arrays can you draw for the number 18?	Write a repeated addition calculation to match the alien. $3 \times 10 + 4 \times 5$
Write a repeated addition calculation to match the alien. $4 \times 6 + 3 \times 2$	Draw an array for this calculation: $3 \times 8 + 1 \times 8$.
Colour in the array to show this calculation: $4 \times 2 + 4 \times 3 + 4 \times 5$	Write a repeated addition calculation to match the alien. $7 \times 5 + 2 \times 10$

To find and compare fractions of amounts.

Who ate more? Circle your answer and explain. Ella ate ¼ of 20 chips. _____ Henry ate ½ of 10 chips. _____ _____ _____	**Calculate the answer.** Dev spent ½ of 80p and Bill spent 1/3 of 60p. Who is left with the most money?
Calculate the answer. Which is greater? 1/3 of 33 or ¾ of 40?	**Which plate would have more chocolate on for Miss O'Brien? Circle your answer and explain.** A plate with 2/3 of 30 pieces. _____ A plate with ¾ of 20 pieces. _____ _____ _____ _____
Which is longer? Circle your answer and explain. ¼ of 80 cm. _____ ½ of 60cm. _____ _____ _____	**Calculate the answer.** Which is the least amount of money? 2/4 of £20 or ¼ of £24?

To read the time on a clock to the nearest 5 minutes.

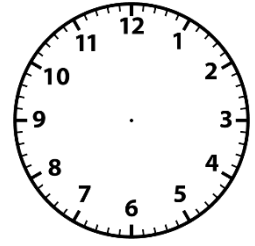| Draw the hands on the clock to show each time.	Draw the hands on the clock to show each time.
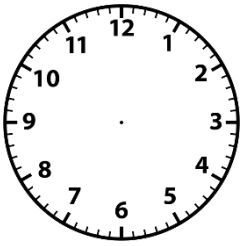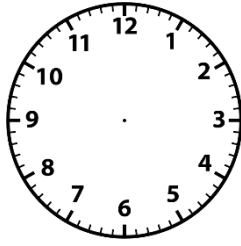
five past 7	ten past 3	twenty past 5	twenty five past 10
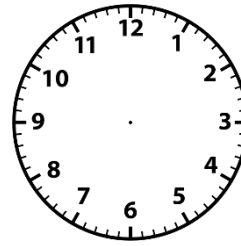
Draw the hands on the clock to show each time.	Draw the hands on the clock to show each time.
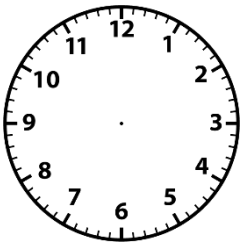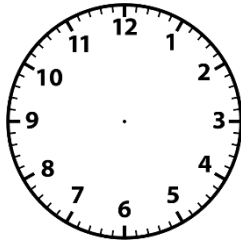
twenty five to 2	twenty to 11	ten to 8	five to 4
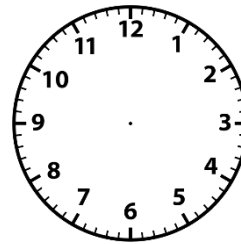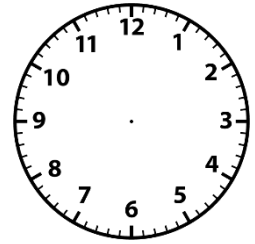
Are the times for each clock correct? If not, write the correct time underneath.
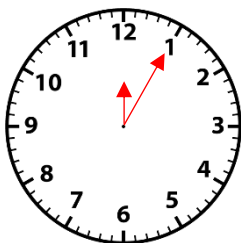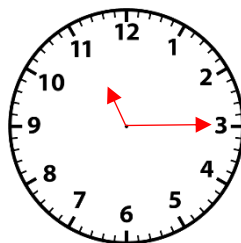
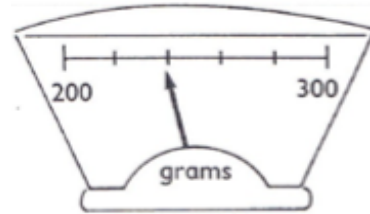| five past 12	twenty past 11	twenty five to 7

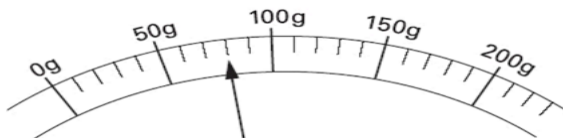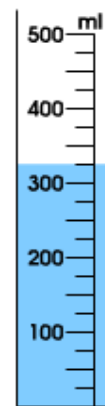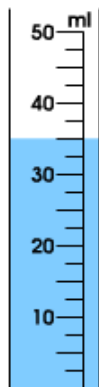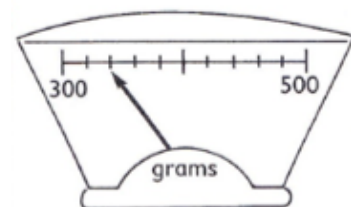31
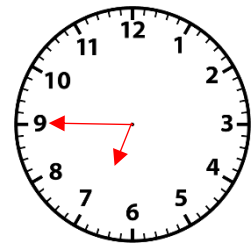
Date: _____

To read scales.

Read the scale and write the answer in the box.

Read the scale and write the answer in the box.

Read the scale and write the answer in the box.

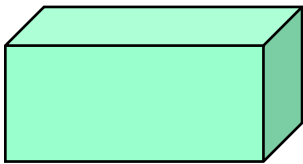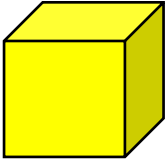Read the scale and write the answer in the box.
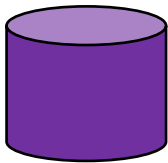

Read the scale and write the answer in the box.

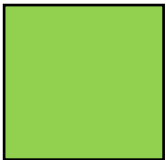Read the scale and write the answer in the box.

To describe similarities and differences in properties of shapes.

What's the same? What's different?

_____

_____

_____

_____

What's the same? What's different?

_____

_____

_____

_____

What's the same? What's different?

_____

_____

_____

_____