Section 1 Session 1

A

ANSWER

1

hundreds	tens	ones
1	3	2	is

2

hundreds	tens	ones
2	3	1	is

132 231 213 312 321 324

3 Which are the odd numbers?

4 Which are the even numbers?

5 Write eighteen in numbers.

6 Make two-digit numbers from **3** and **4**.

and

7 Which two digits do **45** and **54** use?

and

8 Write **123** in words.

9 Write three hundred and thirty-six in digits.

10 Write four hundred and nine in digits.

B

ANSWER

1 Write the number that has four hundreds, three tens and seven ones.

2 Write the number that has six hundreds, seven tens and eight ones.

3 Write **492** in words.

4 Is three hundred and sixty-one odd or even?

5 Is five hundred and thirty-two odd or even?

6 Partition twenty-six into tens and ones.

tens and ones.

7 How many tens in **94**?

8 How many ones in **70**?

9 Write the number that has six hundreds, seven tens and eight ones.

10 Write **490** in words.

C

ANSWER

1 Write two odd numbers using 3 6 4.

and

2 Write two even numbers using 3 6 7.

and

3 Write the number that is 1 more than **123**.

4 Write the number that is 1 less than **647**.

5 Write one thousand in digits.

6 Write the next even number after **234**.

7 Write the next odd number after **757**.

8 Write ninety-two as

tens and ones.

9 Write seventy-seven as

tens and ones.

10 Write **647** in words.

Section 1   Session 2

A   ANSWER

1 Write one hundred and sixty-two in digits. ☐

2 Write three hundred and forty-five in digits. ☐

3 Write **21** in words. ☐

4 Write **101** in words.

☐

5 Is **564** odd or even? ☐

6 Is nine hundred and ninety-one odd or even? ☐

7 Use **1**, **2**, **3** to make an even number. ☐ or ☐

8 Write **5** tens and **4** ones as a two-digit number. ☐

9 Write **63** as

☐ tens and ☐ ones.

10 Write **40** as

☐ tens and ☐ ones.

B   ANSWER

1 40 + 2   = ☐

2 90 + 3   = ☐

3 70 + 6   = ☐

4 20 + 0   = ☐

5 10 + 10 + 4   = ☐

6 Write **769** in words.

☐

7 Write nine hundred and one in digits. ☐

8 Make two different odd numbers from **4**, **5** and **6**. ☐ and ☐

9 Make two different even numbers from **7**, **8** and **9**. ☐ and ☐

10 Make two even numbers from **0**, **3** and **7**. ☐ and ☐

C   ANSWER

1 Write 6 three-digit numbers from **1**, **3** and **5**. ☐ ☐ ☐
☐ ☐ ☐

2 Write 6 three-digit numbers from **2**, **4** and **6**. ☐ ☐ ☐
☐ ☐ ☐

3 Ten plus ten plus ten plus five is ☐

4 Ten plus ten plus ten plus one plus three is ☐

5 **70 + 10 + 10 + 4 + 1 =** ☐

6 Write an odd number between **34** and **36**. ☐

7 Write an even number between **67** and **69**. ☐

8 Is three hundred and sixty-five odd or even? ☐

9 Is one thousand odd or even? ☐

10 Write one thousand as

☐ thousands ☐ hundreds

☐ tens ☐ ones.

Section 1　Session 3

A

|			ANSWER
1	10 + 10 + 10 + 3	=	
2	50 + 10 + 4 + 2	=	
3	60 + 10 + 1 + 1 + 3	=	
4	11 + 11	=	
5	12 + 12	=	
6	15 + 15	=	
7	20 + 20	=	
8	13 + 13	=	
9	16 + 16	=	
10	18 + 18	=	

B

ANSWER

1 Partition 36 into ☐ tens and ☐ ones.

2 Forty-eight can be written as ☐ tens and ☐ ones.

3 Double 14g is ☐ g

4 Double 19m is ☐ m

5 Double 16kg is ☐ kg

6 Double 12cm is ☐ cm

7 Double £15 is ☐ £

8 Double 17p is ☐ p

9 Double 10ml is ☐ ml

10 Double 20l is ☐ l

C

ANSWER

1 Write six numbers using the digits 6, 7 and 8. ☐ ☐ ☐ ☐ ☐ ☐

2 What is the next number after nine hundred and ninety-nine?

3 What number has three hundreds and no tens and no ones? ☐

Tom	15
Luke	18
Molly	20
Max	14
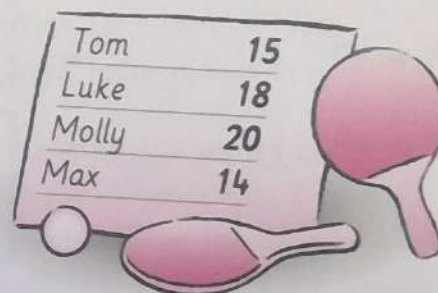
4 Tom doubles his score. What is his score now? ☐

5 Luke doubles his score. What is his score now? ☐

6 Molly doubles her score. What is her score now? ☐

7 Max doubles his score. What is his score now? ☐

8 Two baskets each have 19 eggs in them. How many eggs is that in total? ☐

9 There are two trays of 15 cakes. How many cakes are there altogether? ☐

10 There are two litters of 11 puppies. How many puppies are there in total? ☐

Section 1   Session 4

A   ANSWER

1   7 + 4   =   ☐

2   6 + 5   =   ☐

3   8 + 4   =   ☐

4   12 – 3   =   ☐

5   19 – 9   =   ☐

6   11 + 11   =   ☐

7   14 + 14   =   ☐

8   19 + 19   =   ☐

9   13 + 13   =   ☐

10   12 + 12   =   ☐

B   ANSWER

1   6 + ☐ = 13   ☐

2   ☐ + 4 = 14   ☐

3   ☐ – 3 = 12   ☐

4   17 – ☐ = 9   ☐

5   12 – 10 = ☐   ☐

6   Double £18 is   £ ☐

7   Double 16kg is   kg ☐

8   Double 20p is   p ☐

9   Double 15cm is   cm ☐

10   Double 17m is   m ☐

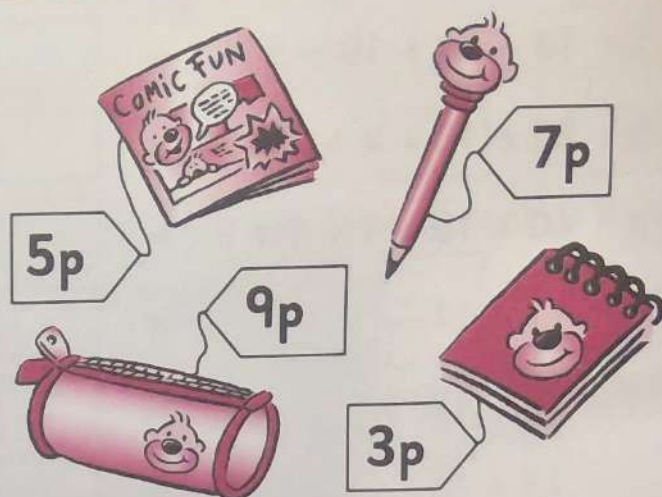## C   ANSWER

COMIC FUN   5p   9p   7p   3p

How much do these cost?

1   a pencil and a comic?   ☐ p

2   a pencil case and a comic?   ☐ p

How much change from **20p** if you buy

3   a pencil case?   ☐ p

4   a pencil?   ☐ p

5   a comic and a notepad?   ☐ p

6   Doughnuts come in bags of **12**. How many doughnuts are there in two bags?   ☐

7   The farmer has **14** ducklings and **12** chicks. How many birds is that altogether?   ☐

8   Pears are sold in bags of **15**. How many pears are there in two bags?   ☐

9   There are **12** sheep and **17** cows. How many animals are there in total?   ☐

10   **19** cows and **20** pigs go to market. How many animals is that?   ☐

Section 1 Session 5

A
			ANSWER
1	50 + 9	=	
2	32 + 6	=	
3	46 + 5	=	
4	62 – 2	=	
5	72 – 3	=	
6	15 + 15	=	
7	17 + 17	=	
8	12 + 12	=	
9	16 + 16	=	
10	18 + 18	=	

B
		ANSWER
1	56 add 5 is	
2	34 and 8 is	
3	92 subtract 4 is	
4	54 minus 7 is	
5	26 add 7 equals	
6	22 and 11 is	
7	30 and 19 is	
8	The sum of 15 and 13 is	
9	Add 41 to 21	
10	24 plus 12 is	

C
ANSWER

1 Jake has **52** berries. His mum gives him another **9** berries. How many berries does Jake have in total?

2 Ava and Jacinta have **15** beads each. How many do they have altogether?

3 Paul has **54kg** of potatoes. He sells **6kg**. How many kg are left? [kg]

4 Will buys **2** sacks of carrots. Each sack weighs **17kg**. How much is that in total? [kg]

5 Sahil counts out **39** biscuits onto a plate. Adam eats **7** of the biscuits. How many are left?

6 Leo has **18** points. He doubles his score. What is his score now?

7 Erin counts **45** sheep in the field. The farmer puts **2** more sheep into the field. How many sheep are there in total?

8 **16** starlings are on the lawn. Another **14** starlings come to the lawn. How many starlings is that in total?

9 **47** grapes are dropped onto the floor. All but **9** are picked up. How many grapes are picked up?

10 **16** dogs and **24** cats live at the pet sanctuary. How many animals is that altogether?

Section 1 Session 6

A

			ANSWER
1	64 – 5	=	
2	92 – 4	=	
3	32 + 8	=	
4	46 + 5	=	
5	34 – 6	=	
6	9 + 4	=	
7	8 + 5	=	
8	16 – 12	=	
9	19 – 4	=	
10	20 – 10	=	

B

		ANSWER
1	Forty-six add seven is	
2	Eighty-eight add eight is	
3	Twenty-six subtract seven is	
4	Thirty-seven and four makes	
5	Fifty-one take away three leaves	
6	19 – ☐ = 12	
7	☐ – 2 = 15	
8	3 + ☐ = 12	
9	6 + ☐ = 17	
10	19 – ☐ = 8	

C

ANSWER

45   64   90   17   32
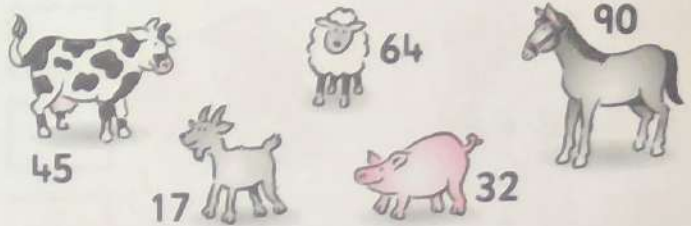
1 The farmer sends **6** of the cows to market. How many cows are left on the farm?

2 Another **8** pigs are born. How many pigs are there now?

3 **5** of the sheep have lambs. How many sheep do not have lambs?

4 **5** horses are sold. How many horses are left?

5 The farmer buys another **8** goats. How many goats are there now?

6 There are **4** ponies and **8** donkeys at another farm. How many animals is that in total?

7 The chickens lay **7** eggs on Monday and **8** eggs on Tuesday. How many eggs is that?

8 **9** ducks fly away and **1** duck is left on the pond. How many ducks were there to start with?

9 There are **8** goldfish and **6** black fish in the pond. How many fish are there altogether?

10 **11** chickens live in the hen house. **7** chickens go to market. How many chickens are left?

Section 1 Session 7

A
			ANSWER
1	54 + 3	=	
2	67 + 5	=	
3	31 – 4	=	
4	43 – 7	=	
5	56 + 4	=	
6	9 + 2	=	
7	7 + 5	=	
8	9 + 6	=	
9	18 – 7	=	
10	16 – 9	=	

B
		ANSWER
1	58 add 4 equals	
2	43 subtract 5 is	
3	21 minus 8 is	
4	23 add 7 is	
5	32 take away 3 is	
6	The difference between 17 and 3 is	
7	9 add 3 equals	
8	13 minus 4 is	
9	14 subtract 4 is	
10	12 and 9 is	

C

ANSWER

The prices in the shop have changed.
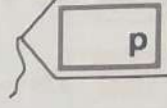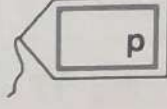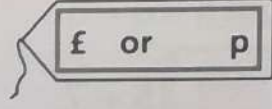
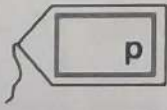Write the correct price onto each label.

1 ~~45p~~ + 6p [____] p

2 ~~62p~~ – 4p [____] p

3 ~~54p~~ + 2p [____] p

4 ~~97p~~ + 3p [£ or ____ p]

5 ~~38p~~ –10p [____] p

6 Edward has **15p**. He spends **9p**. What is his change? [____] p

7 Sophie has **11p**. She spends **5p**. How much money does she have left? [____] p

8 Ibrahim has **9p**. His mum gives him **22p**. How much money does he have now? [____] p

9 Amber has **12p**. She spends **3p**. How much change does she get? [____] p

10 Mairhi has **7p**. She spends **7p**. How much money does she have now? [____] p

Section 1   Session 8

A
ANSWER

1. $52 - 3 = \boxed{}$
2. $49 + 6 = \boxed{}$
3. $32 - 4 = \boxed{}$
4. $45 + 5 = \boxed{}$
5. $76 - 8 = \boxed{}$
6. $4 + 9 = \boxed{}$
7. $17 - 2 = \boxed{}$
8. $18 - 8 = \boxed{}$
9. $15 + 7 = \boxed{}$
10. $15 - 8 = \boxed{}$

B
ANSWER

1. $\boxed{} + 2 = 48$
2. $71 - \boxed{} = 69$
3. $43 + \boxed{} = 50$
4. $99 + \boxed{} = 100$
5. $\boxed{} - 7 = 70$
6. $\boxed{} + 9 = 12$
7. $11 - \boxed{} = 5$
8. $8 + \boxed{} = 8$
9. $\boxed{} - 7 = 5$
10. $\boxed{} + 2 = 11$

C
ANSWER

1. There are **23** blue pens and **14** red ones. How many pens are there in total?

2. There are **45** books on the shelf. The librarian puts another **12** books on the shelf. How many books are there in total?

3. **46** sheep are in the field. **6** of the sheep go into the shelter. How many sheep are left in the field?

4. **17** cows are in the milking parlour. **8** cows go back to the field. How many cows are left in the milking parlour?

5. **29** cars wait at the traffic lights. Only **4** cars go through the lights. How many cars are still at the traffic lights?

Here is Georgia's homework.

Tick the answers that are correct.

Write the correct number sentence where the answer is wrong.

6. $7 + 4 = 11$ $\boxed{}$ $\boxed{}$
7. $5 + 6 = 8$ $\boxed{}$ $\boxed{}$
8. $14 - 5 = 6$ $\boxed{}$ $\boxed{}$
9. $18 + 6 = 20$ $\boxed{}$ $\boxed{}$
10. $9 + 5 = 14$ $\boxed{}$ $\boxed{}$

Section 1　Session 9

A
ANSWER

1 4 tens and 3 ones is □

2 96 can be written as
□ tens and □ ones.

3 70 can be written as
□ tens and □ ones.

4 6 tens and 3 ones is □

5 10 tens can be written as □

6 $15 + 15 =$ □

7 $19 + 19 =$ □

8 $13 + 13 =$ □

9 $16 + 16 =$ □

10 $14 + 14 =$ □

B
ANSWER

1 What number is the same as
4 tens and 3 ones? □

2 What number can be written as
$10 + 10 + 10 + 1$? □

3 4 □ is the same as
□ tens and 6 ones.

4 96 is the same as
□ tens and □ ones.

5 □ 7 is the same as
2 tens and □ ones.

6 Add 24 and 13 □

7 Find the sum of 13 and 16 □

8 41 plus 33 equals □

9 34 plus 21 is □

10 Find the total of 25 and 23 □

C
ANSWER

1 How many tens are there
in 57? □

2 How many ones are there
in 82? □

3 $10 + 20 + 10 + 1 + 3 + 2 =$ □

4 $50 + 20 + 10 + 3 + 5 \quad =$ □

5 $20 + 20 + 30 + 5 + 5 \quad =$ □

6 Emma scored double 18.
How many is that? □

7 Tamwar scored double 11.
How many did he score? □

8 Luca scored double 13.
How many points did he win? □

9 Isabel scored double 20.
How many is that? □

10 Lily scored double 15.
How many points did she win? □

Section 1   Session 10

A
ANSWER

1   16 + 16   =   ☐

2   14 + 14   =   ☐

3   19 + 19   =   ☐

4   12 + 12   =   ☐

5   19 + 6   =   ☐

6   44 – 5   =   ☐

7   32 + 9   =   ☐

8   6 + 7   =   ☐

9   11 – 4   =   ☐

10   15 – 6   =   ☐

B
ANSWER

1   Add 14 and 24   ☐

2   Find the sum of 16 and 11   ☐

3   26 plus 21 is   ☐

4   ☐ + 4 = 50   ☐

5   36 + ☐ = 40   ☐

6   45 – ☐ = 38   ☐

7   ☐ – 5 = 39   ☐

8   The difference between 17 and 9 is   ☐

9   15 minus ☐ is 9.   ☐

10   ☐ and 8 is 13.   ☐

C
ANSWER

1   Holly has 14 marshmallows. Alice has twice as many. How many marshmallows does Alice have?   ☐

2   Imogen has 18 coins. Eve has 11 more. How many coins does Eve have?   ☐

3   Zak has 15 jam tarts and so does Ben. How many jam tarts do Zak and Ben have in total?   ☐

4   There are 20 ducks and 17 hens. How many birds are there in total?   ☐

5   Jay has 46 cards. How many more does he need to make 50?   ☐

6   Navi has 92 crayons. How many more does she need so that she has 100?   ☐

7   Dan makes 32 biscuits. He eats 3 of them. How many biscuits are there now?   ☐

8   14 dogs are playing in the park. 5 go home. How many are left in the park?   ☐

9   7 sparrows eat breadcrumbs. 5 sparrows do not eat the crumbs. How many sparrows are there in total?   ☐

10   There are 9 children playing football. 7 children watch the game. How many children are there altogether?   ☐

Section 1   Check-up 1

1 | ANSWER

1 Write **563** in words.

[   ]

2 Write nine hundred and sixty-four in digits. [   ]

3 Write the odd number.

631   526   910 [   ]

4 Write the even number.

545   554   455 [   ]

5 9[   ] is the same as

[   ] tens and **3** ones.

6 96 is the same as

50 + [   ] + 4 + [   ]

7 Double **14g** is [   ] g

8 Double **19m** is [   ] m

9 Double **13p** is [   ] p

10 62 + 7 = [   ]

11 31 – 4 = [   ]

12 36 + 5 = [   ]

13 9 + 7 = [   ]

14 7 + 6 = [   ]

15 8 + 4 = [   ]

16 Write nine hundred and seven in digits. [   ]

17 Write **407** in words.

[   ]

18 Write the next odd number after **334**. [   ]

19 Write the even number just before **333**. [   ]

20 [   ]7 is the same as

4 tens and [   ] ones.

21 10 + 20 + 30 + 4 + 2 = [   ]

22 Callum has two bags of **17** tomatoes. How many tomatoes is that altogether? [   ]

23 Jamie has **12** apples and **12** oranges. How many pieces of fruit is that in total? [   ]

24 There are **42** cakes. Zara eats **3** cakes. How many cakes are left? [   ]

25 Erin puts **42** pink iced cakes and **7** white iced cakes on a tray. How many cakes is that in total? [   ]

26 Pavil has **7** cats and **5** dogs. How many pets does he have? [   ]

27 **13** birds sit on the roof. **5** birds fly away. How many birds are left on the roof? [   ]

28 **9** black pencils and **14** red pencils are in the pencil case. How many pencils is that in total? [   ]

29 There are **6** sparrows and **18** finches by the bird table. How many birds is that altogether? [   ]

30 **15** starlings are on the lawn. **6** starlings fly away. How many birds are left? [   ]

Section 2　Session 1

A

		ANSWER
1	23 + 6 =	
2	42 − 3 =	
3	34 + 6 =	
4	35 − 7 =	
5	29 + 7 =	
6	9 + 4 =	
7	13 − 8 =	
8	3 + 8 =	
9	8 + 7 =	
10	9 + 7 =	

B

		ANSWER
1	54 subtract 8 is	
2	36 add ▢ equals 40.	
3	97 subtract ▢ leaves 90.	
4	▢ add 4 is 90.	
5	15 subtract 8 leaves	
6	▢ subtract 4 leaves 9.	
7	▢ add 7 equals 14.	
8	15 subtract ▢ equals 9.	
9	6 add ▢ equals 15.	
10	▢ add 3 is 83.	

C

		ANSWER
1	There are 54 oranges. 5 are sold. How many oranges are left?	
2	48 apples are in the crate. 12 more are added. How many apples are there altogether?	
3	The shop sells 28 pears. There are 6 pears left. How many pears were there to start with?	
4	37 mangoes are sold. There are 4 left. How many mangoes were there to begin with?	
5	The shop has 62 bananas. They sell 8 bananas. How many bananas are left?	

MINTS

Chews	9p
Mints	8p
Hearts	7p
Toffees	6p

CHEWBAR

		ANSWER
6	How much is a pack of Chews and a pack of Toffees?	p
7	How much is a pack of Hearts and a pack of Mints?	p
8	Henry buys some Mints and some Toffees. How much change will he get from 20p?	p
9	Maya buys some Hearts and some Chews. How much change will she get from 20p?	p
10	What change from 20p will Amy get if she buys some Hearts and some Toffees?	p

Section 2 Session 2

A

		ANSWER
1	$5 + 6$ =	
2	$9 + 7$ =	
3	$13 - 4$ =	
4	$17 - 9$ =	
5	$16 - 7$ =	
6	$10 + 10$ =	
7	$11 + \square = 20$	
8	$14 + \square = 20$	
9	$18 + \square = 20$	
10	$13 + \square = 20$	

B

		ANSWER
1	$6 + \square = 15$	
2	$9 + \square = 13$	
3	$\square - 4 = 7$	
4	$12 - \square = 9$	
5	$\square + 8 = 14$	
6	$\square + 4 = 20$	
7	$8 + \square = 20$	
8	$9 + \square = 20$	
9	$15 + \square = 20$	
10	$\square + 10 = 20$	

C

ANSWER

How much do you spend if you buy

1 a pencil for **9p** and a notepad for **4p**? ⬚ p

2 a lolly for **8p** and a toffee for **4p**? ⬚ p

3 two **7p** lollies? ⬚ p

Which coins do you choose to pay the exact amount for

4 an **8p** pen and a **7p** pencil?

⬚ p and ⬚ p

5 a **3p** toffee and an **8p** lolly?

⬚ p and ⬚ p

20p

How much change do you get from **20p** if you buy

6 a **13p** lolly? ⬚ p

7 an **18p** book? ⬚ p

8 a **14p** pen? ⬚ p

9 a **16p** drink? ⬚ p

10 a **15p** ruler? ⬚ p

Section 2 Session 3

A

			ANSWER
1	8 + 4	=	
2	9 + 3	=	
3	5 + 7	=	
4	6 + 8	=	
5	2 + 9	=	
6	3 + 17	=	
7	9 + ☐ = 20		
8	13 + ☐ = 20		
9	16 + ☐ = 20		
10	5 + ☐ = 20		

B

		ANSWER
1	3 and ☐ equals 12.	
2	☐ and 7 equals 15.	
3	14 subtract ☐ equals 8.	
4	The difference between 14 and 9 is	
5	The difference between 6 and 13 is	
6	15 and ☐ equals 20.	
7	☐ and 7 makes 20.	
8	9 and ☐ equals 20.	
9	20 subtract 3 leaves	
10	20 subtract 8 leaves	

C

		ANSWER
1	Alfie has **20** pebbles. He puts **7** of them in his pocket. How many of the pebbles are not in Alfie's pocket?	
2	Millie has **20** stickers. She puts some of the stickers in the album. She has **8** left over. How many stickers did she put in the album?	
3	Charlie has **11** black pens and **9** red pens. How many pens does Charlie have in total?	
4	There are **20** balls in the bag. 18 balls are red. The rest are white. How many balls are white?	
5	Ana has **20p**. She spends **14p**. How much money does she have left?	p
6	Nine and seven equals	
7	Eight and nine is	
8	Six and five equals	
9	The difference between eleven and nine is	
10	The difference between twelve and four is	

19

Section 2   Session 4

1 42 + 7   = ☐

2 54 + 7   = ☐

3 74 – 5   = ☐

4 65 – 8   = ☐

5 23 + 7   = ☐

6 15 16 17   ☐ ☐ ☐

7 31 32 ☐ ☐ 35 ☐

8 21 23 ☐ ☐ ☐ 31

9 44 46 48 ☐ ☐ ☐

10 ☐ ☐ ☐ 36 38 40

B   ANSWER

1 54 – ☐ = 46   ☐

2 63 – 7 = ☐   ☐

3 84 – ☐ = 76   ☐

4 23 + ☐ = 31   ☐

5 54 + ☐ = 62   ☐

What number do you land on when you

6 start at **53** and count on 5 jumps of **2**?   ☐

7 start at **28** and count on 6 jumps of **2**?   ☐

8 start at **56** and count on 4 jumps of **2**?   ☐

9 start at **40** and count on 7 jumps of **2**?   ☐

10 start at **39** and count on 8 jumps of **2**?   ☐

C   ANSWER

1 There are **64** sausages in the butcher's window. He sells **6** sausages. How many are left?   ☐

2 Ruby has **34** books. Leah has **29** books. How many more books does Ruby have than Leah?   ☐

3 There are **29** hamburgers in the butcher's window. The butcher puts another **8** hamburgers in the window. How many hamburgers are there in total in the window?   ☐

4 Archie has **64p** in his pocket. He spends **7p**. How much money does Archie have left?   ☐ p

5 Ellie has **55p** in her purse. She spends **9p**. How much money does Ellie have left?   ☐ p

6 What number do you land on if you start on **46** and jump back **5** lots of **2**?   ☐

7 How many jumps do you make if you start on **67** and jump back in **2s** to **55**?   ☐

8 Zainab stands on **36**. She decides that if she makes **3** jumps of **2** she will land on **40**. Is she correct?   ☐

9 Atul stands on **45**. He decides that if he makes **4** jumps back of **2** he will land on **37**. Is he correct?   ☐

10 Freddie jumps forward **3** jumps of **2**. He lands on **36**. What number did Freddie start on?   ☐

Section 2 Session 5

A

			ANSWER
1	5 × 2	=	
2	8 × 2	=	
3	3 × 2	=	
4	2 × 5	=	
5	8 × 5	=	
6	6 × 5	=	
7	2 × 10	=	
8	7 × 10	=	
9	9 × 10	=	
10	4 × 10	=	

B

		ANSWER
1	× 5 = 40	
2	× 2 = 18	
3	× 10 = 60	
4	4 × = 20	
5	3 × = 30	
6	7 × = 35	
7	× 5 = 45	
8	× 10 = 50	
9	× 2 = 14	
10	× 5 = 25	

C

ANSWER

8 beads **9 marbles**
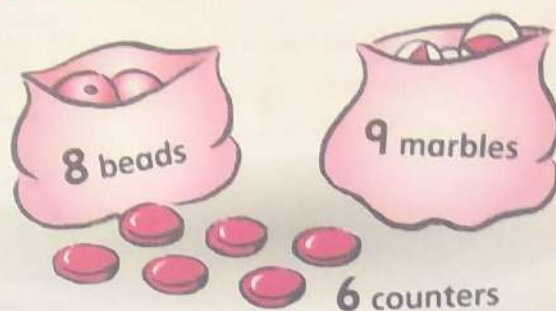
6 counters

1. Paige has **2** bags of beads. How many beads does Paige have in total?

2. Toby has **5** sets of counters. How many counters does Toby have?

3. David has **10** bags of marbles. How many marbles is that in total?

4. Phoebe has **5** bags of beads. How many beads is that altogether?

5. Matt has **10** sets of counters. How many counters are there altogether?

6. Nathan has **5** bags of marbles. How many marbles does Nathan have?

7. Bethany has **10** bags of beads. How many beads is that in total?

8. Billy has **2** sets of counters. How many counters does he have altogether?

9. Libby has **2** bags of marbles. How many marbles is that?

10. Sam has **5** sets of counters. He adds one more counter to each set. How many counters is that in total?

21

Section 2   Session 6

A   ANSWER

1 10 × 10 = ☐

2 5 × 5 = ☐

3 2 × 2 = ☐

4 10 × 1 = ☐

5 7 × 5 = ☐

6 8 × 10 = ☐

7 3 × 2 = ☐

8 9 × 5 = ☐

9 6 × 10 = ☐

10 4 × 5 = ☐

B   ANSWER

1 ☐ × 10 = 70 ☐

2 ☐ × 5 = 20 ☐

3 ☐ × 2 = 14 ☐

4 ☐ × 10 = 50 ☐

5 ☐ × 2 = 8 ☐

6 ☐ × 5 = 15 ☐

7 ☐ × 5 = 10 ☐

8 ☐ × 2 = 6 ☐

9 ☐ × 10 = 80 ☐

10 ☐ × 5 = 25 ☐

C   ANSWER

1 Rosie has £4. Joel has 5 times as much money as Rosie. How much does Joel have?   £ ☐

2 Ethan has £8. Harry has 10 times as much money as Ethan. How much does Harry have?   £ ☐

3 George has £6. Grace has twice as much money as George. How much does Grace have?   £ ☐

4 Oscar's mum gives him 50p. This is 5 times the cost of a pencil. How much is the pencil?   p ☐

5 Lydia's mum gives her 80p. This is 10 times the cost of a chocolate. How much is the chocolate?   p ☐

6 Muhammad's mum gives him 18p. This is twice as much as the cost of a lolly. How much is the lolly?   p ☐

7 Aaron buys 5 oranges at 9p each. How much do the oranges cost altogether?   p ☐

8 Maisie buys 10 apples at 4p each. How much do the apples cost in total?   p ☐

9 Hannah buys 2 bananas at 8p each. What is the total cost?   p ☐

10 Megan buys 2 pears at 6p each. How much change does she get from 20p?   p ☐

Section 2 Session 7

A

ANSWER

1. $15 \div 5 =$
2. $18 \div 2 =$
3. $30 \div 10 =$
4. $40 \div 5 =$
5. $40 \div 10 =$
6. $12 \div 2 =$
7. Double 16 is
8. Double 18 is
9. Double 19 is
10. Double 17 is

B

ANSWER

1. What is 15 divided by 5?
2. What is 30 divided by 10?
3. What is 50 divided by 10?
4. What is 18 divided by 2?
5. What is 45 divided by 5?
6. What is 100 divided by 10?
7. Double thirteen is
8. Double fifteen is
9. Double eleven is
10. Double fourteen is

C

ANSWER

1. Mia shares fifteen cakes between **5** plates. How many cakes are on each plate?

2. Leon shares **£30** between **5** people. How much does each person get? £

3. Keira has **18** toffees. She gives half of them to Lauren. How many toffees does Keira have now?

4. Sophie has **14** pencils. She puts half of them into her pencil case. How many pencils did Sophie put into her pencil case?

5. Joe has **80** stickers. He sticks them into his book and puts **10** on each page. How many pages does Joe fill with stickers?

6. There are **90** cars to be parked. The cars have to go into rows of **10**. How many rows are needed?

7. Nick has **20** points. He doubles his score. How many points does he have now?

8. Niamh doubled her score. Now she has **36** points. How many points did she have to start with?

9. Jacob has **£17**. His dad doubles Jacob's money. How much money does Jacob have now? £

10. Olivia has **£28** because her mum doubled her money. How much did Olivia have before her mum doubled the money? £

23

Section 2　Session 8

A

		ANSWER
1	$50 \div 10 =$	
2	$40 \div 5 =$	
3	$16 \div 2 =$	
4	$15 \div 5 =$	
5	$70 \div 10 =$	
6	$12 \div 2 =$	
7	Double 15 is	
8	Double 20 is	
9	Double 13 is	
10	Double 17 is	

B

		ANSWER
1	18 divided by 2 is	
2	25 divided by 5 is	
3	60 divided by 10 is	
4	40 divided by 5 is	
5	14 divided by 2 is	
6	100 divided by 10 is	
7	Double ___ is 28.	
8	Double ___ is 22.	
9	Double ___ is 36.	
10	Double ___ is 26.	

C

ANSWER

30　20

Share

		ANSWER
1	the marbles between 5 people.	
2	the marbles between 10 people.	
3	the apples between 2 people.	
4	the apples between 5 people.	
5	the apples between 10 people.	

Tom	15
Josh	18
Lizzie	19
Becky	16
Afam	17

Double

		ANSWER
6	Tom's score.	
7	Josh's score.	
8	Lizzie's score.	
9	Becky's score.	
10	Afam's score.	

Section 2   Session 9

A   ANSWER

1   6 × 2   = ☐

2   7 × 5   = ☐

3   8 × 10   = ☐

4   9 × 5   = ☐

5   10 × 5   = ☐

6   8 × 10   = ☐
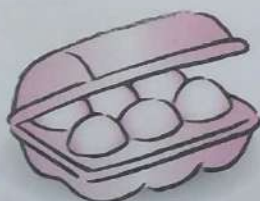
7   12 ÷ 2   = ☐

8   35 ÷ 5   = ☐

9   60 ÷ 10   = ☐

10   14 ÷ 2   = ☐

B   ANSWER

1   ☐ × 5   = 40   ☐

2   ☐ × 2   = 18   ☐

3   ☐ × 10 = 70   ☐

4   ☐ × 5   = 25   ☐

5   ☐ × 2   = 16   ☐

6   ☐ ÷ 2   = 10   ☐

7   ☐ ÷ 5   = 6   ☐

8   ☐ ÷ 10 = 10   ☐

9   ☐ ÷ 5   = 9   ☐

10   ☐ ÷ 2   = 6   ☐

C   ANSWER

2p   5p   10p

How much are these worth?

1   five 2p coins   ☐ p

2   eight 5p coins   ☐ p

3   seven 10p coins   ☐ p

4   four 5p coins   ☐ p

5   six 2p coins   ☐ p

Share equally

6   40p between 5 people.   ☐ p

7   80p between 10 people.   ☐ p

8   35p between 5 people.   ☐ p

9   14p between 2 people.   ☐ p

10   90p between 10 people.   ☐ p

25

Section 2   Session 10

A
ANSWER

1 5×5 = ☐
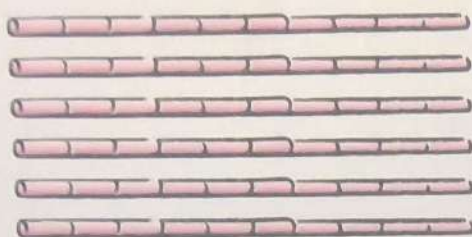
6 70 divided by 10 is   ☐

2 6×10 = ☐

3 2×2 = ☐

4 10×5 = ☐

5 3×10 = ☐

6 4×2 = ☐

7 $35 \div 5$ = ☐

8 $40 \div 10$ = ☐

9 $10 \div 2$ = ☐

10 $20 \div 5$ = ☐

7 15 divided by 5 is   ☐

8 2 divided by 2 is   ☐

9 12 divided by 2 is   ☐

10 10 divided by 10 is   ☐

C
ANSWER

1 How many is **5** multiplied by **10**?   ☐

2 What is the product of **6** and **5**?   ☐

3 What is **7** multiplied by **2**?   ☐
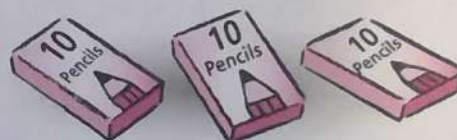
4 What is the product of **3** and **10**?   ☐

5 How many is **7** multiplied by **5**?   ☐

6 What is half of **14**?   ☐

7 What is **8** divided by **2**?   ☐

8 What is **35** divided by **5**?   ☐

9 What is **100** divided by **10**?   ☐

10 What is **50** divided by **5**?   ☐

B
ANSWER

1 7 multiplied by 2 is   ☐

2 9 multiplied by 5 is   ☐

3 8 multiplied by 10 is   ☐

4 5 multiplied by 5 is   ☐

5 30 divided by 5 is   ☐

Section 2   Check-up 2

2		ANSWER

1   5 + 4   = ☐

2   9 – 4   = ☐

3   3 + 3   = ☐

4   7 + 2   = ☐

5   8 – 7   = ☐

6   14 + 9   = ☐

7   21 + 7   = ☐

8   32 – 7   = ☐

9   45 – 5   = ☐

10   11 + 9   = ☐

11   20 = 15 + ☐   ☐

12   20 = 17 + ☐   ☐

13   20 = 6 + ☐   ☐

14   23, 25, 27, 29, ☐   ☐

15   32, 34, 36, 38, ☐   ☐

16   18, 20, 22, 24, ☐

17   19, 21, 23, 25, ☐   ☐

18   6 × 5   = ☐

19   7 × 10   = ☐

20   8 × 2   = ☐

21   4 × 5   = ☐

22   15 ÷ 5   = ☐

23   18 ÷ 2   = ☐

24   10 ÷ 10   = ☐

25   Double 14 is   ☐

26   Double 18 is   ☐

27   Double 15 is   ☐

28   Double 11 is   ☐

29   Double 16 is   ☐

30   Double 19 is   ☐

Section 3   Session 1

A   ANSWER
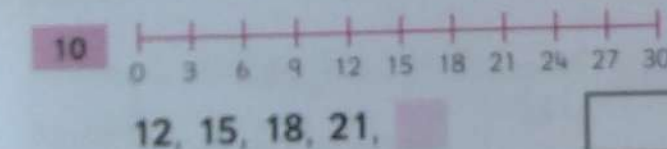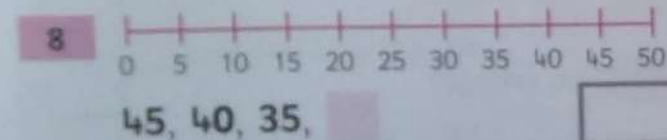
| 4 | 16 and ___ total **20**. | ⬜ |

| 5 | ___ and **6** total **20**. | ⬜ |

| 6 | **7** and ___ total **20**. | ⬜ |

| 7 | **12, 22, 32, 42,** ___ | ⬜ |

| 8 | **46, 56, 66, 76,** ___ | ⬜ |

1   13 + 7   = ⬜

| 9 | **99, 89, 79, 69,** ___ | ⬜ |

2   3 + ___ = 20   ⬜

| 10 | **67, 65, 63, 61,** ___ | ⬜ |

3   7 + ___ = 20   ⬜

C   ANSWER

4   ___ + 12 = 20   ⬜

5   ___ + 9 = 20   ⬜

20p

6   16, 17, 18, 19, ___   ⬜

7   36, 38, 40, ___   ⬜

Write the change from **20p**.

8   0 5 10 15 20 25 30 35 40 45 50

45, 40, 35, ___   ⬜

| 1 | Spend **8p** | ⬜ p |

| 2 | Spend **12p** | ⬜ p |

9   0 10 20 30 40 50 60 70 80 90 100

80, 70, 60, 50, ___   ⬜

| 3 | Spend **15p** | ⬜ p |

| 4 | Spend **13p** | ⬜ p |

10   0 3 6 9 12 15 18 21 24 27 30

12, 15, 18, 21, ___   ⬜

| 5 | Spend **2p** | ⬜ p |

| 6 | Spend **16p** | ⬜ p |

B   ANSWER

| 7 | **88, 78, 68, 58,** ___ | ⬜ |

| 1 | 4 and ___ total **20**. | ⬜ |

| 8 | **64, 74, 84, 94,** ___ | ⬜ |

| 2 | 17 and ___ total **20** | ⬜ |

| 9 | **36, 33, 30, 27,** ___ | ⬜ |

| 3 | 1 and ___ total **20**. | ⬜ |

| 10 | **9, 12, 15, 18,** ___ | ⬜ |

Section 3 Session 2

A

ANSWER

1. 15 + ☐ = 20

2. 13 + ☐ = 20

3. 1 + ☐ = 20

4. 14 + ☐ = 20

5. 8 + ☐ = 20

6. 6 + ☐ = 20

7. 13, 15, 17, 19, ☐

8. 18, 20, 22, 24, ☐

9. 36, 38, 40, 42, ☐

10. 96, 94, 92, 90, ☐

B

ANSWER

1. 12 add ☐ equals 20.

2. 7 add ☐ equals 20.

3. 19 add ☐ equals 20.

4. ☐ add 12 equals 20.

5. ☐ add 14 equals 20.

6. 36, 46, 56, 66, ☐

7. 91, 89, 87, 85, ☐

8. 81, 86, 91, 96, ☐

9. 36, 39, 42, 45, ☐

10. 3, 6, 9, 12, ☐

C

ANSWER

Apple	6p
Orange	9p
Banana	12p
Pineapple	14p

1. An apple and a ☐ cost **20p**.

What is the change from **20p** if you buy

2. an apple? ☐ p

3. a banana? ☐ p

4. a pineapple? ☐ p

5. an orange? ☐ p

Where do you land if you start at

6. 7 and count on 5 jumps of 2? ☐

7. 18 and count on 3 jumps of 5? ☐

8. 37 and count on 5 jumps of 10? ☐

9. 42 and count back 3 jumps of 2? ☐

10. 58 and count back 4 jumps of 10? ☐

Section 3   Session 3

A

			ANSWER
1	5 × 2	=	
2	6 × 2	=	
3	8 × 5	=	
4	9 × 10	=	
5	6 × 5	=	
6	14 ÷ 2	=	
7	15 ÷ 5	=	
8	40 ÷ 10	=	
9	30 ÷ 5	=	
10	18 ÷ 2	=	

B

	ANSWER
1	___ multiplied by 2 is 14.
2	___ multiplied by 5 is 35.
3	___ multiplied by 10 is 50.
4	___ multiplied by 2 is 18.
5	___ multiplied by 5 is 45.
6	___ divided by 5 is 8.
7	___ divided by 2 is 6.
8	___ divided by 10 is 2.
9	___ divided by 5 is 1.
10	25 divided by ___ is 5.

C

2p CHEWBAR

5p

5p

5p

10p
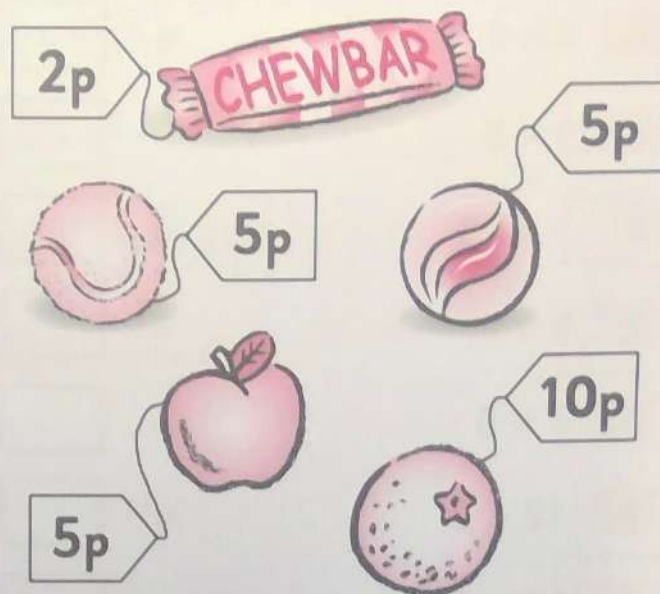
What is the cost of

		ANSWER
1	8 marbles?	p
2	10 chews?	p
3	7 tennis balls?	p
4	9 apples?	p
5	10 oranges?	£ or p

How many does each child receive?

6	30 muffins shared by 5 children	
7	40 strawberries shared by 10 children	
8	12 flapjacks shared by 2 children	
9	16 mints shared by 2 children	
10	80 chocolates shared by 10 children	

Section 3 Session 4

A

			ANSWER
1	8 × 2	=	
2	9 × 5	=	
3	7 × 10	=	
4	4 × 2	=	
5	7 × 5	=	
6	12 ÷ 2	=	
7	40 ÷ 5	=	
8	40 ÷ 10	=	
9	16 ÷ 2	=	
10	25 ÷ 5	=	

B

		ANSWER
1	× 5 = 30	
2	× 2 = 20	
3	× 10 = 30	
4	× 5 = 15	
5	× 10 = 100	
6	÷ 2 = 6	
7	÷ 5 = 2	
8	÷ 10 = 7	
9	÷ 5 = 4	
10	÷ 10 = 4	

C

6 apples

8 bananas

Write how many pieces of fruit altogether.

		ANSWER
1	2 bags of apples	
2	5 bags of apples	
3	10 bags of apples	
4	2 bags of bananas	
5	5 bags of bananas	
6	10 bags of bananas	
7	35 pieces of fruit shared between 5	
8	10 pieces of fruit shared between 10	
9	50 pieces of fruit shared between 5	
10	14 pieces of fruit shared between 2	

Section 3   Session 5

A   ANSWER

1   9 × 2   = [ ]

2   10 × 5   = [ ]

3   9 × 10   = [ ]

4   45 ÷ 5   = [ ]

5   60 ÷ 10   = [ ]

6   8 ÷ 2   = [ ]

7   Double 14 is   [ ]

8   Double 17 is   [ ]

9   Double 19 is   [ ]

10 Double 11 is   [ ]

B   ANSWER

1   2 lots of 13 is   [ ]

2   2 lots of 15 is   [ ]

3   2 lots of 18 is   [ ]

4   2 lots of 16 is   [ ]

5   6 multiplied by 5 is   [ ]

6   7 multiplied by 10 is   [ ]

7   9 multiplied by 2 is   [ ]

8   35 divided by 5 is   [ ]

9   30 divided by 10 is   [ ]

10 16 divided by 2 is   [ ]

C   ANSWER

How much is

1   double £18?   £ [ ]

2   double £12?   £ [ ]

3   double £13?   £ [ ]

Share equally

4   £14 between 2.   £ [ ]

5   £6 between 2.   £ [ ]

6   £20 between 5.   £ [ ]

7   £80 between 10.   £ [ ]

How many oranges in

8   5 packs?   [ ]

9   2 packs?   [ ]

10 10 packs?   [ ]

Section 3 Session 6

A

		ANSWER
1	21, 24, 27, ___, 33	☐
2	9, 12, 15, ___, 21	☐
3	36, 33, 30, ___, 24	☐
4	24, 21, 18, ___, 12	☐
5	14 ÷ 2 =	☐
6	25 ÷ 5 =	☐
7	80 ÷ 10 =	☐
8	4 × 2 =	☐
9	8 × 5 =	☐
10	6 × 10 =	☐

B

		ANSWER
1	2 lots of 14 is	☐
2	Double ___ is 32.	☐
3	Double ___ is 30.	☐
4	2 lots of 17 is	☐
5	9 multiplied by 2 is	☐
6	8 multiplied by 5 is	☐
7	7 multiplied by 10 is	☐
8	14 shared by 2 is	☐
9	35 shared by 5 is	☐
10	30 shared by 10 is	☐

C

Alex 16
Poppy 18
Abbie 15
Noah 19
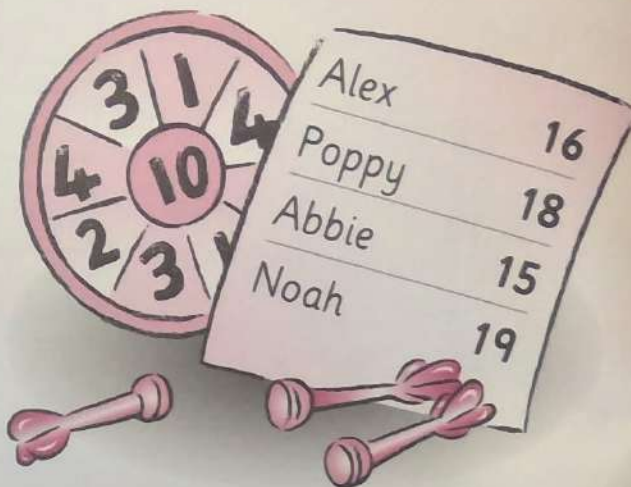
		ANSWER
1	Double the largest score.	☐
2	Double the smallest score.	☐
3	Double Alex's score.	☐
4	Double Poppy's score.	☐
5	10 boxes of 5 cakes	☐
6	8 boxes of 2 cakes	☐
7	10 boxes of 10 cakes	☐
8	Share 50 marbles between 5.	☐
9	Share 50 marbles between 10.	☐
10	Share 16 marbles between 2.	☐
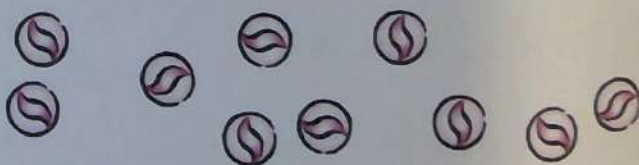
Section 3   Session 7

A
ANSWER

1 Half of **16** is

2 Half of **20** is

3 $\frac{1}{2}$ of **30** is

4 $\frac{1}{2}$ of **22** is

5 $\frac{1}{2}$ of **28** is

Write what fraction of each shape is shaded.

6

7

8

9

10
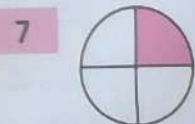
B
ANSWER

1 A quarter of **12** is

2 A quarter of **16** is

3 $\frac{1}{4}$ of **20** is

4 Three-quarters of **12** is

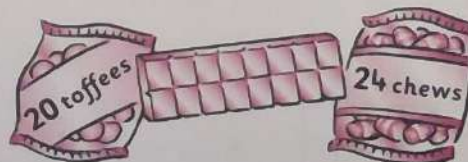5 Three-quarters of **16** is

6 $\frac{3}{4}$ of **20** is

7 Shade a quarter.

8 Shade a quarter.

9 Shade three-quarters.

10 Shade one-third.

C
ANSWER

20 toffees   24 chews

Write how much they eat.

1 Louis eats half of the chocolate.   ___ squares

2 Emily eats a quarter of the chocolate.   ___ squares

3 Jack eats three-quarters of the chocolate.   ___ squares

4 Jess eats half of the toffees.

5 Chioma eats a quarter of the toffees.

6 Eleanor eats three-quarters of the toffees.

7 Katie eats half of the chews.

8 Jamil eats a quarter of the chews.

9 Lola eats three-quarters of the chews.

10 Ryan eats half of the toffees and three-quarters of the chews.

Section 3 Session 8

A

ANSWER

Draw a line to show half.

1

2

Draw lines to show a quarter.

3

4

Shade $\frac{1}{2}$.

5

6

Write what fraction is shaded.

7

8

9

10

B

ANSWER

Shade a quarter.

1

2

3

What is

4 a quarter of **20**?

5 $\frac{1}{4}$ of **16**?

6 $\frac{1}{4}$ of **12**?

7 three-quarters of **16**?

8 three-quarters of **12**?

9 $\frac{3}{4}$ of **20**?

10 $\frac{3}{4}$ of **40**?

C

ANSWER

Shade three-quarters.

1

2

3
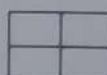
What is

4 a quarter of **20**?

5 three-quarters of **20**?

6 a quarter of **24**?

7 three-quarters of **24**?

8 one-third of **30**?

9 one-third of **12**?

10 $\frac{1}{3}$ of **9**?

36

Section 3   Session 9

A

1   8 × 5   =

2   9 × 2   =

3   4 × 10   =

4   6 × 5   =

5   7 × 10   =
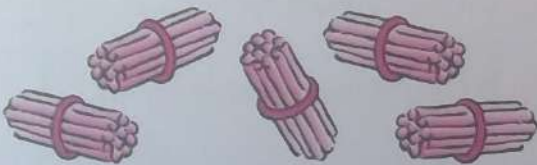
6   50 ÷ 10   =

7   40 ÷ 5   =
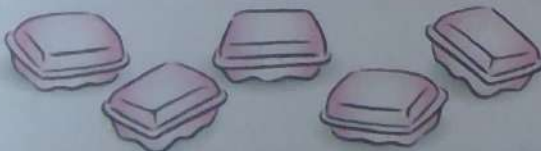
8   20 ÷ 2   =

9   16 ÷ 2   =

10 30 ÷ 5   =

B   ANSWER

What is

1   9 multiplied by 5?

2   8 multiplied by 2?

3   7 multiplied by 5?

4   4 multiplied by 10?

5   6 multiplied by 2?

6   40 divided by 5?

7   90 divided by 10?

8   30 divided by 5?

9   16 divided by 2?

10 100 divided by 10?

C   ANSWER

1   divided by 5 equals 5.

2   divided by 10 equals 6.

3   divided by 2 equals 2.

4   divided by 5 equals 4.

5   divided by 2 equals 9.

6   multiplied by 2 equals 14.

7   multiplied by 5 equals 50.

8   multiplied by 10 equals 100.

9   multiplied by 2 equals 2.

10   multiplied by 5 equals 35.

Section 3 Session 10

A

ANSWER

1 4 × 5 = ☐

2 7 × 2 = ☐

3 8 × 10 = ☐

4 14 ÷ 2 = ☐

5 30 ÷ 5 = ☐

6 30 ÷ 10 = ☐

7 7 + 6 + 3 = ☐

8 6 + 9 + 7 = ☐

9 8 + 3 + 6 = ☐

10 9 + 4 + 8 = ☐

B

ANSWER

What is the product of

1 8 and 2? ☐

2 10 and 10? ☐

3 3 and 5? ☐

Share equally

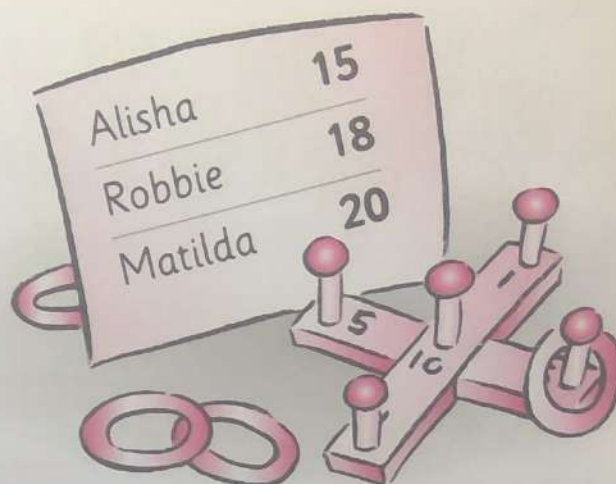4 45 between 5. ☐

5 60 between 10. ☐

6 18 between 2. ☐

7 Double 14p is ☐ p

8 Double 18ml is ☐ ml

9 Double 13kg is ☐ kg

10 Double £12 is £ ☐

C

ANSWER

Alisha 15
Robbie 18
Matilda 20

1 Double Alisha's score. ☐

2 Double Robbie's score. ☐

3 Double Matilda's score. ☐

4 Divide Alisha's score by 5. ☐

5 Divide Robbie's score by 2. ☐

6 Divide Matilda's score by 10. ☐
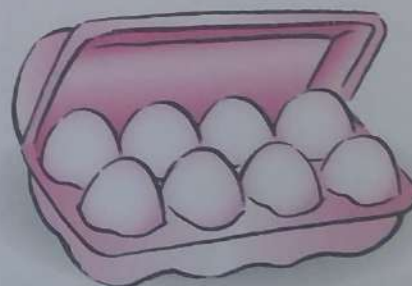
How many eggs in

7 2 boxes? ☐

8 5 boxes? ☐

9 10 boxes? ☐

10 Double the eggs in one box
and take 6 eggs away. ☐

Section 3   Check-up 3

ANSWER

1   ☐ + 5 = 20   ☐

2   ☐ + 14 = 20   ☐

3   12 + ☐ = 20   ☐

4   93, 92, 91, 90, ☐   ☐

5   82, 84, 86, 88, ☐   ☐

6   6, 11, 16, 21, ☐   ☐

7   12, 15, 18, 21, ☐   ☐

8   9 × 10   =   ☐

9   7 × 5   =   ☐

10   2 × 2   =   ☐

11   12 ÷ 2   =   ☐

12   15 ÷ 5   =   ☐

13   40 ÷ 10   =   ☐

14   45 ÷ 5   =   ☐

15   7 + 4 + 8   =   ☐

16   8 + 4 + 5   =   ☐

17   6 + 7 + 9   =   ☐

18   8 + 5 + 9   =   ☐

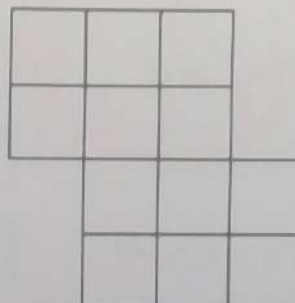**19**   Shade one-third of this shape.
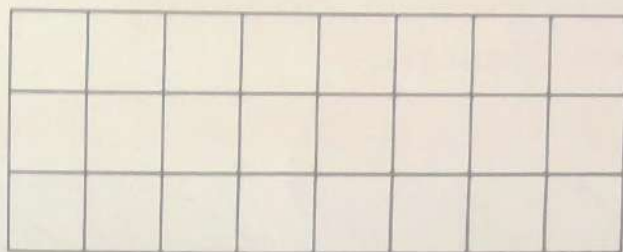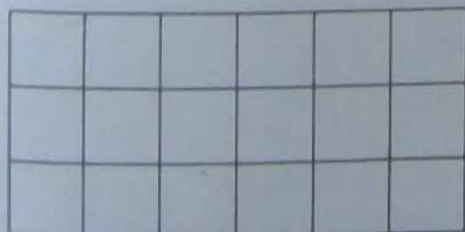
20   What is $\frac{1}{2}$ of 24?   ☐

21   What is a $\frac{1}{4}$ of 24?   ☐

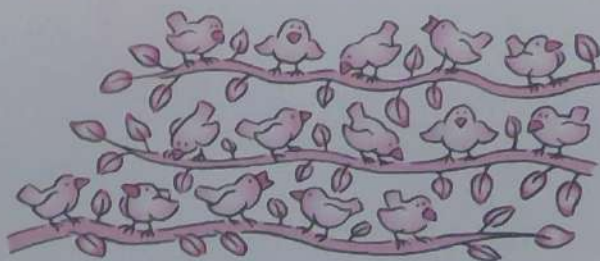**22**   What is $\frac{3}{4}$ of 24?   ☐

23   Shade a quarter of this shape.

24   How many squares need to be shaded to show three-quarters of the shape above?   ☐

25   Double 18 and add 2.   ☐

26   Double 17 and add 6.   ☐

27   The product of 3 and 5.   ☐

28   The product of 6 and 10.   ☐

29   Share 40 kiwi fruits equally between 5.   ☐

30   Share 12 apples equally between 2.   ☐