First Mental Arithmetic 5

Answers

Schofield & Sims

Name
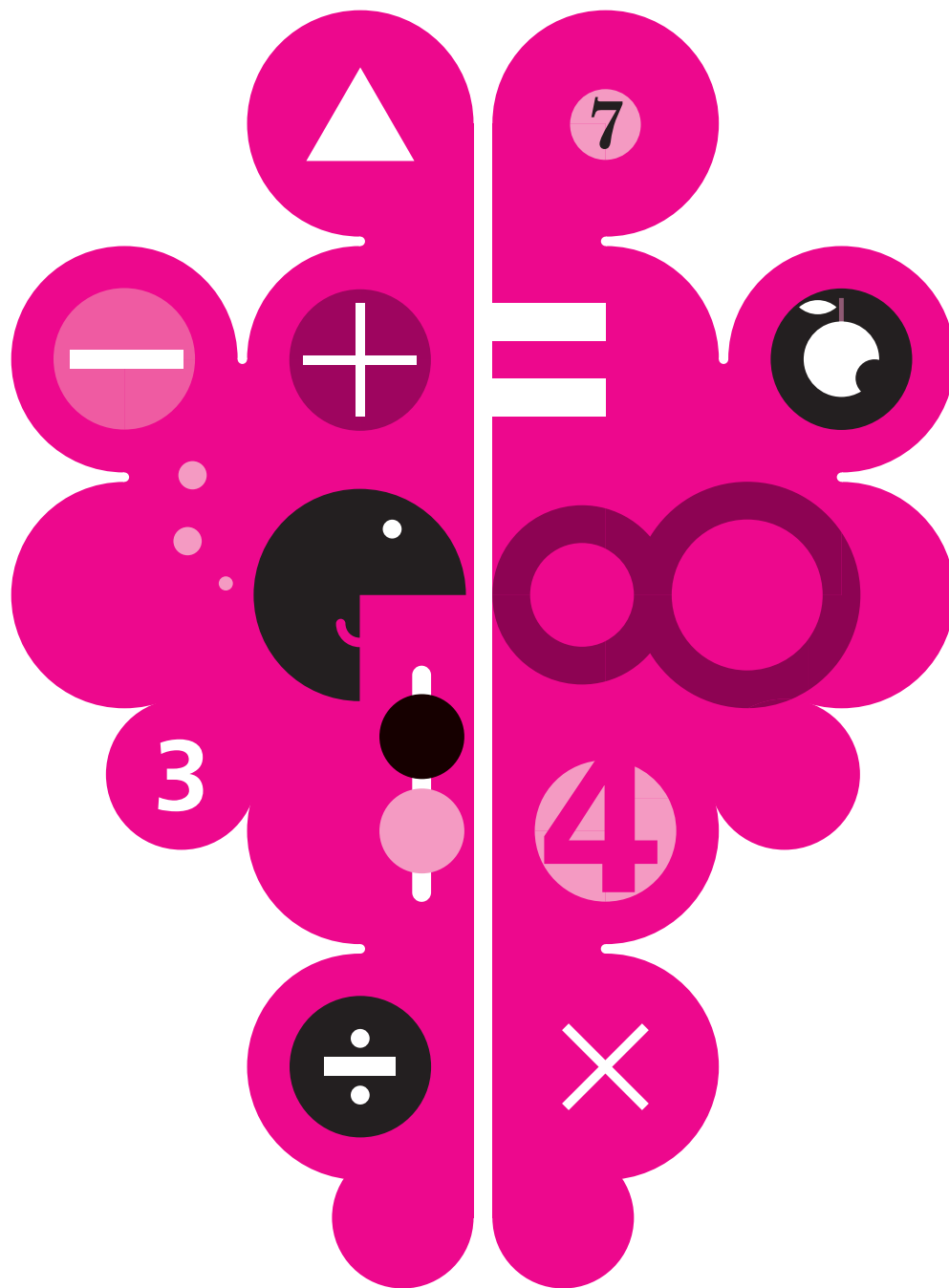
Section 1   Session 1

Session Focus
Read and write numbers beyond 100 in digits and words
Know which are odd and which are even numbers
Know what each digit in a two-digit number stands for

A   ANSWER

1   hundreds   tens   ones
     1   3   2   is   **132**

2   hundreds   tens   ones
     2   3   1   is   **231**

132   231   213   312   321   324

3   Which are the odd numbers?
   231   **213**   **321**

4   Which are the even numbers?
   132   **312**   **324**

5   Write eighteen in numbers.   **18**

6   Make two-digit numbers from **3** and **4**.
   34 and **43**

7   Which two digits do **45** and **54** use?
   4 and **5**

8   Write **123** in words.
   one hundred and twenty-three

9   Write three hundred and thirty-six in digits.   **336**

10   Write four hundred and nine in digits.   **409**

B   ANSWER

1   Write the number that has four hundreds, three tens and seven ones.   **437**

2   Write the number that has six hundreds, seven tens and eight ones.   **678**

3   Write **492** in words.
   four hundred and ninety-two

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

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

6   Partition twenty-six into tens and ones.
   2 tens and **6** ones.

7   How many tens in **94**?   **9**

8   How many ones in **70**?   **0**

9   Write the number that has six hundreds, seven tens and eight ones.   **678**

10   Write **490** in words.
   four hundred and ninety

C   ANSWER

1   Write two odd numbers using
   3   6   4.   **643** and **463**

2   Write two even numbers using
   3   6   7.   **376** and **736**

3   Write the number that is **1** more than **123**.   **124**

4   Write the number that is **1** less than **647**.   **646**

5   Write one thousand in digits.   **1000**

6   Write the next even number after **234**.   **236**

7   Write the next odd number after **757**.   **759**

8   Write ninety-two as
   9 tens and **2** ones.

9   Write seventy-seven as
   7 tens and **7** ones.

10   Write **647** in words.
   six hundred and forty-seven

Section 1 Session 2

Session Focus
Read and write numbers beyond 100 in digits and words
Know which are odd and which even numbers
Know what each digit in a two-digit number stands for

A   ANSWER

1 Write one hundred and sixty-two in digits. `162`

2 Write three hundred and forty-five in digits. `345`

3 Write **21** in words. `twenty-one`

4 Write **101** in words.

`one hundred and one`

5 Is **564** odd or even? `even`

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

7 Use **1**, **2**, **3** to make an even number. `132` or `312`

8 Write **5** tens and **4** ones as a two-digit number. `54`

9 Write **63** as

`6` tens and `3` ones.

10 Write **40** as

`4` tens and `0` ones.

B   ANSWER

1 **40 + 2**   =   `42`

2 **90 + 3**   =   `93`

3 **70 + 6**   =   `76`

4 **20 + 0**   =   `20`

5 **10 + 10 + 4**   =   `24`

6 Write **769** in words.

`seven hundred and sixty-nine`

7 Write nine hundred and one in digits. `901`

8 Make two different odd numbers from **4**, **5** and **6**. `465` and `645`

9 Make two different even numbers from **7**, **8** and **9**. `798` and `978`

10 Make two even numbers from **0**, **3** and **7**. `370` and `730`

C   ANSWER

1 Write 6 three-digit numbers from **1**, **3** and **5**. `135` `153` `315` `351` `513` `531`

2 Write 6 three-digit numbers from **2**, **4** and **6**. `246` `264` `426` `462` `624` `642`

3 Ten plus ten plus ten plus five is `35`

4 Ten plus ten plus ten plus one plus three is `34`

5 **70 + 10 + 10 + 4 + 1 =** `95`

6 Write an odd number between **34** and **36**. `35`

7 Write an even number between **67** and **69**. `68`

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

9 Is one thousand odd or even? `even`

10 Write one thousand as

`1` thousands `0` hundreds

`0` tens `0` ones.

Section 1   Session 3

Session Focus
Partition numbers in different ways
Doubles to 20
Solve problems with money and measures

A   ANSWER

1	10 + 10 + 10 + 3 =	**33**
2	50 + 10 + 4 + 2 =	**66**
3	60 + 10 + 1 + 1 + 3 =	**75**
4	11 + 11 =	**22**
5	12 + 12 =	**24**
6	15 + 15 =	**30**
7	20 + 20 =	**40**
8	13 + 13 =	**26**
9	16 + 16 =	**32**
10	18 + 18 =	**36**

B   ANSWER

1 Partition **36** into **3** tens and **6** ones.

2 Forty-eight can be written as **4** tens and **8** ones.

3 Double **14g** is **28g**

4 Double **19m** is **38m**

5 Double **16kg** is **32kg**

6 Double **12cm** is **24cm**

7 Double **£15** is **£30**

8 Double **17p** is **34p**

9 Double **10ml** is **20ml**

10 Double **20l** is **40l**

C   ANSWER

1 Write six numbers using the digits

6, **7** and **8**. | **678** | **687** | **768** |
| **786** | **867** | **876** |

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

| **one thousand** |

3 What number has three hundreds and no tens and no ones?   **300**

Tom	*15*
Luke	*18*
Molly	*20*
Max	*14*
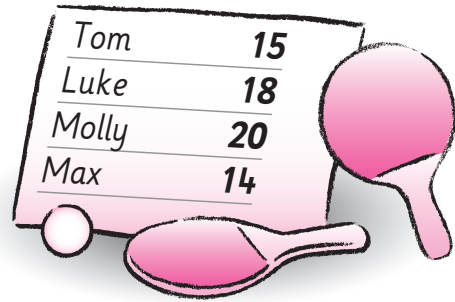
4 Tom doubles his score. What is his score now?   **30**

5 Luke doubles his score. What is his score now?   **36**

6 Molly doubles her score. What is her score now?   **40**

7 Max doubles his score. What is his score now?   **28**

8 Two baskets each have **19** eggs in them. How many eggs is that in total?   **38**

9 There are two trays of **15** cakes. How many cakes are there altogether?   **30**

10 There are two litters of **11** puppies. How many puppies are there in total?   **22**

Section 1   Session 4

A   ANSWER

1	7 + 4	=	11
2	6 + 5	=	11
3	8 + 4	=	12
4	12 – 3	=	9
5	19 – 9	=	10
6	11 + 11	=	22
7	14 + 14	=	28
8	19 + 19	=	38
9	13 + 13	=	26
10	12 + 12	=	24

B   ANSWER

1	6 + ☐ = 13	7
2	☐ + 4 = 14	10
3	☐ – 3 = 12	15
4	17 – ☐ = 9	8
5	12 – 10 = ☐	2
6	Double **£18** is	£36
7	Double **16kg** is	32kg
8	Double **20p** is	40p
9	Double **15cm** is	30cm
10	Double **17m** is	34m

C   ANSWER

5p   7p   9p   3p
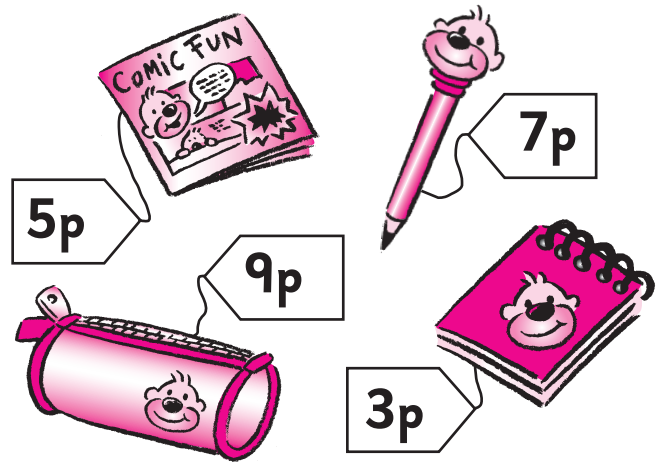
How much do these cost?

1	a pencil and a comic?	12p
2	a pencil case and a comic?	14p

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

3	a pencil case?	11p
4	a pencil?	13p
5	a comic and a notepad?	12p
6	Doughnuts come in bags of **12**. How many doughnuts are there in two bags?	24
7	The farmer has **14** ducklings and **12** chicks. How many birds is that altogether?	26
8	Pears are sold in bags of **15**. How many pears are there in two bags?	30
9	There are **12** sheep and **17** cows. How many animals are there in total?	29
10	**19** cows and **20** pigs go to market. How many animals is that?	39

Section 1 Session 5

Session Focus
Add and subtract mentally
Add two-digit numbers

A | ANSWER

1	**50 + 9**	=	**59**
2	**32 + 6**	=	**38**
3	**46 + 5**	=	**51**
4	**62 – 2**	=	**60**
5	**72 – 3**	=	**69**
6	**15 + 15**	=	**30**
7	**17 + 17**	=	**34**
8	**12 + 12**	=	**24**
9	**16 + 16**	=	**32**
10	**18 + 18**	=	**36**

B | ANSWER

1	**56** add **5** is	**61**
2	**34** and **8** is	**42**
3	**92** subtract **4** is	**88**
4	**54** minus **7** is	**47**
5	**26** add **7** equals	**33**
6	**22** and **11** is	**33**
7	**30** and **19** is	**49**
8	The sum of **15** and **13** is	**28**
9	Add **41** to **21**	**62**
10	**24** plus **12** is	**36**

C | ANSWER

1. Jake has **52** berries. His mum gives him another **9** berries. How many berries does Jake have in total? **61**

2. Ava and Jacinta have **15** beads each. How many do they have altogether? **30**

3. Paul has **54kg** of potatoes. He sells **6kg**. How many kg are left? **48kg**

4. Will buys **2** sacks of carrots. Each sack weighs **17kg**. How much is that in total? **34kg**

5. Sahil counts out **39** biscuits onto a plate. Adam eats **7** of the biscuits. How many are left? **32**

6. Leo has **18** points. He doubles his score. What is his score now? **36**

7. Erin counts **45** sheep in the field. The farmer puts **2** more sheep into the field. How many sheep are there in total? **47**

8. **16** starlings are on the lawn. Another **14** starlings come to the lawn. How many starlings is that in total? **30**

9. **47** grapes are dropped onto the floor. All but **9** are picked up. How many grapes are picked up? **38**

10. **16** dogs and **24** cats live at the pet sanctuary. How many animals is that altogether? **40**

9

Section 1 Session 6

A | ANSWER

1	64 – 5	=	59
2	92 – 4	=	88
3	32 + 8	=	40
4	46 + 5	=	51
5	34 – 6	=	28
6	9 + 4	=	13
7	8 + 5	=	13
8	16 – 12	=	4
9	19 – 4	=	15
10	20 – 10	=	10

B | ANSWER
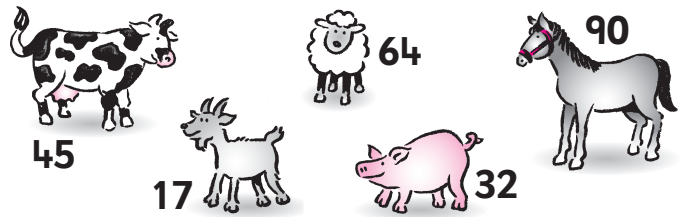
1	Forty-six add seven is	fifty-three
2	Eighty-eight add eight is	ninety-six
3	Twenty-six subtract seven is	nineteen
4	Thirty-seven and four makes	forty-one
5	Fifty-one take away three leaves	forty-eight
6	19 – ▢ = 12	7
7	▢ – 2 = 15	17
8	3 + ▢ = 12	9
9	6 + ▢ = 17	11
10	19 – ▢ = 8	11

C | ANSWER

cow **45**   goat **17**   sheep **64**   pig **32**   horse **90**

1	The farmer sends **6** of the cows to market. How many cows are left on the farm?	39
2	Another **8** pigs are born. How many pigs are there now?	40
3	**5** of the sheep have lambs. How many sheep do not have lambs?	59
4	**5** horses are sold. How many horses are left?	85
5	The farmer buys another **8** goats. How many goats are there now?	25
6	There are **4** ponies and **8** donkeys at another farm. How many animals is that in total?	12
7	The chickens lay **7** eggs on Monday and **8** eggs on Tuesday. How many eggs is that?	15
8	**9** ducks fly away and **1** duck is left on the pond. How many ducks were there to start with?	10
9	There are **8** goldfish and **6** black fish in the pond. How many fish are there altogether?	14
10	**11** chickens live in the hen house. **7** chickens go to market. How many chickens are left?	4

Section 1   Session 7

Session Focus
Add and subtract mentally
Recall number facts for each number to 20

A · ANSWER

1	54 + 3	=	57
2	67 + 5	=	72
3	31 – 4	=	27
4	43 – 7	=	36
5	56 + 4	=	60
6	9 + 2	=	11
7	7 + 5	=	12
8	9 + 6	=	15
9	18 – 7	=	11
10	16 – 9	=	7

B · ANSWER

1	58 add 4 equals	62
2	43 subtract 5 is	38
3	21 minus 8 is	13
4	23 add 7 is	30
5	32 take away 3 is	29
6	The difference between 17 and 3 is	14
7	9 add 3 equals	12
8	13 minus 4 is	9
9	14 subtract 4 is	10
10	12 and 9 is	21

C · ANSWER

The prices in the shop have changed.

Write the correct price onto each label.

1   ~~45p~~ + 6p   →   51p

2   ~~62p~~ – 4p   →   58p

3   ~~54p~~ + 2p   →   56p

4   ~~97p~~ + 3p   →   £1 or 100p

5   ~~38p~~ –10p   →   28p

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

7   Sophie has **11p**. She spends **5p**. How much money does she have left?   **6**p

8   Ibrahim has **9p**. His mum gives him **22p**. How much money does he have now?   **31**p

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

10   Mairhi has **7p**. She spends **7p**. How much money does she have now?   **0**p

Section 1 Session 8

Session Focus
Add and subtract mentally
Recall number facts for each number to 20

A   ANSWER

1	$52 - 3$	=	49
2	$49 + 6$	=	55
3	$32 - 4$	=	28
4	$45 + 5$	=	50
5	$76 - 8$	=	68
6	$4 + 9$	=	13
7	$17 - 2$	=	15
8	$18 - 8$	=	10
9	$15 + 7$	=	22
10	$15 - 8$	=	7

B   ANSWER

1	$\boxed{} + 2 = 48$		46
2	$71 - \boxed{} = 69$		2
3	$43 + \boxed{} = 50$		7
4	$99 + \boxed{} = 100$		1
5	$\boxed{} - 7 = 70$		77
6	$\boxed{} + 9 = 12$		3
7	$11 - \boxed{} = 5$		6
8	$8 + \boxed{} = 8$		0
9	$\boxed{} - 7 = 5$		12
10	$\boxed{} + 2 = 11$		9

C   ANSWER

1. There are **23** blue pens and **14** red ones. How many pens are there in total? **37**

2. There are **45** books on the shelf. The librarian puts another **12** books on the shelf. How many books are there in total? **57**

3. **46** sheep are in the field. **6** of the sheep go into the shelter. How many sheep are left in the field? **40**

4. **17** cows are in the milking parlour. **8** cows go back to the field. How many cows are left in the milking parlour? **9**

5. **29** cars wait at the traffic lights. Only **4** cars go through the lights. How many cars are still at the traffic lights? **25**

Here is Georgia's homework.

Tick the answers that are correct.

Write the correct number sentence where the answer is wrong.

6	$7 + 4 = 11$	✓	
7	$5 + 6 = 8$		$5 + 6 = 11$
8	$14 - 5 = 6$		$14 - 5 = 9$
9	$18 + 6 = 20$		$18 + 6 = 24$
10	$9 + 5 = 14$	✓	

Section 1   Session 9

A | ANSWER

1 **4** tens and **3** ones is → **43**

2 **96** can be written as

9 tens and **6** ones.

3 **70** can be written as

7 tens and **0** ones.

4 **6** tens and **3** ones is → **63**

5 **10** tens can be written as → **100**

6 **15 + 15 =** → **30**

7 **19 + 19 =** → **38**

8 **13 + 13 =** → **26**

9 **16 + 16 =** → **32**

10 **14 + 14 =** → **28**

B | ANSWER

1 What number is the same as **4** tens and **3** ones? → **43**

2 What number can be written as **10 + 10 + 10 + 1**? → **31**

3 **4** **6** is the same as

4 tens and **6** ones.

4 **96** is the same as

9 tens and **6** ones.

5 **2** **7** is the same as

2 tens and **7** ones.

6 Add **24** and **13** → **37**

7 Find the sum of **13** and **16** → **29**

8 **41** plus **33** equals → **74**

9 **34** plus **21** is → **55**

10 Find the total of **25** and **23** → **48**

C | ANSWER

1 How many tens are there in **57**? → **5**

2 How many ones are there in **82**? → **2**

3 **10 + 20 + 10 + 1 + 3 + 2 =** → **46**

4 **50 + 20 + 10 + 3 + 5 =** → **88**

5 **20 + 20 + 30 + 5 + 5 =** → **80**

6 Emma scored double **18**. How many is that? → **36**

7 Tamwar scored double **11**. How many did he score? → **22**

8 Luca scored double **13**. How many points did he win? → **26**

9 Isabel scored double **20**. How many is that? → **40**

10 Lily scored double **15**. How many points did she win? → **30**

Section 1   Session 10

A   ANSWER

1	16 + 16	=	32
2	14 + 14	=	28
3	19 + 19	=	38
4	12 + 12	=	24
5	19 + 6	=	25
6	44 – 5	=	39
7	32 + 9	=	41
8	6 + 7	=	13
9	11 – 4	=	7
10	15 – 6	=	9

B   ANSWER

1	Add 14 and 24	38
2	Find the sum of 16 and 11	27
3	26 plus 21 is	47
4	☐ + 4 = 50	46
5	36 + ☐ = 40	4
6	45 – ☐ = 38	7
7	☐ – 5 = 39	44
8	The difference between 17 and 9 is	8
9	15 minus ☐ is 9.	6
10	☐ and 8 is 13.	5

C   ANSWER

1	Holly has 14 marshmallows. Alice has twice as many. How many marshmallows does Alice have?	28
2	Imogen has 18 coins. Eve has 11 more. How many coins does Eve have?	29
3	Zak has 15 jam tarts and so does Ben. How many jam tarts do Zak and Ben have in total?	30
4	There are 20 ducks and 17 hens. How many birds are there in total?	37
5	Jay has 46 cards. How many more does he need to make 50?	4
6	Navi has 92 crayons. How many more does she need so that she has 100?	8
7	Dan makes 32 biscuits. He eats 3 of them. How many biscuits are there now?	29
8	14 dogs are playing in the park. 5 go home. How many are left in the park?	9
9	7 sparrows eat breadcrumbs. 5 sparrows do not eat the crumbs. How many sparrows are there in total?	12
10	There are 9 children playing football. 7 children watch the game. How many children are there altogether?	16

Section 1   Check-up 1

1   ANSWER

1 Write **563** in words.

> five hundred and sixty-three

2 Write nine hundred and sixty-four in digits. **964**

3 Write the odd number.
631   526   910 **631**

4 Write the even number.
545   554   455 **554**

5 9 | **3** | is the same as
| **9** | tens and **3** ones.

6 **96** is the same as
50 + | **40** | + 4 + | **2** |

7 Double **14g** is **28**g

8 Double **19m** is **38**m

9 Double **13p** is **26**p

10 **62 + 7**   = **69**

11 **31 − 4**   = **27**

12 **36 + 5**   = **41**

13 **9 + 7**   = **16**

14 **7 + 6**   = **13**

15 **8 + 4**   = **12**

16 Write nine hundred and seven in digits. **907**

17 Write **407** in words.

> four hundred and seven

18 Write the next odd number after **334**. **335**

19 Write the even number just before **333**. **332**

20 | **4** | **7** is the same as
4 tens and | **7** | ones.

21 **10 + 20 + 30 + 4 + 2 =** **66**

22 Callum has two bags of **17** tomatoes. How many tomatoes is that altogether? **34**

23 Jamie has **12** apples and **12** oranges. How many pieces of fruit is that in total? **24**

24 There are **42** cakes. Zara eats **3** cakes. How many cakes are left? **39**

25 Erin puts **42** pink iced cakes and **7** white iced cakes on a tray. How many cakes is that in total? **49**

26 Pavil has **7** cats and **5** dogs. How many pets does he have? **12**

27 **13** birds sit on the roof. **5** birds fly away. How many birds are left on the roof? **8**

28 **9** black pencils and **14** red pencils are in the pencil case. How many pencils is that in total? **23**

29 There are **6** sparrows and **18** finches by the bird table. How many birds is that altogether? **24**

30 **15** starlings are on the lawn. **6** starlings fly away. How many birds are left? **9**

Section 2 Group Record Sheet

Class _____

Name	Add and subtract mentally Session 1	Recall number facts for each number to 20 Session 1	Know pairs that total 20 Session 2	Missing number sequences Session 4	Multiplication facts for 2s, 5s and 10s Session 5	Sharing Session 7	Doubles to 20 Session 7

Section 2   Session 1

Session Focus
Add and subtract mentally
Recall number facts for each number to 20

A

			ANSWER
1	23 + 6	=	29
2	42 − 3	=	39
3	34 + 6	=	40
4	35 − 7	=	28
5	29 + 7	=	36
6	9 + 4	=	13
7	13 − 8	=	5
8	3 + 8	=	11
9	8 + 7	=	15
10	9 + 7	=	16

B

		ANSWER
1	54 subtract 8 is	46
2	36 add ☐ equals 40.	4
3	97 subtract ☐ leaves 90.	7
4	☐ add 4 is 90.	86
5	15 subtract 8 leaves	7
6	☐ subtract 4 leaves 9.	13
7	☐ add 7 equals 14.	7
8	15 subtract ☐ equals 9.	6
9	6 add ☐ equals 15.	9
10	☐ add 3 is 83.	80

C

		ANSWER
1	There are **54** oranges. **5** are sold. How many oranges are left?	49
2	**48** apples are in the crate. **12** more are added. How many apples are there altogether?	60
3	The shop sells **28** pears. There are **6** pears left. How many pears were there to start with?	34
4	**37** mangoes are sold. There are **4** left. How many mangoes were there to begin with?	41
5	The shop has **62** bananas. They sell **8** bananas. How many bananas are left?	54

Chews 9p
Mints 8p
Hearts 7p
Toffees 6p
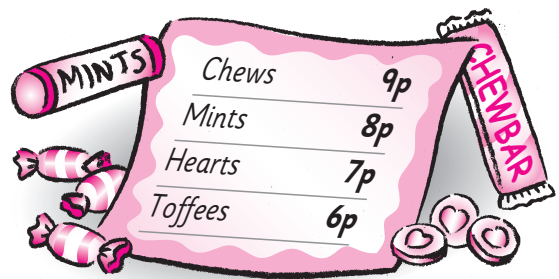
		ANSWER
6	How much is a pack of Chews and a pack of Toffees?	15 p
7	How much is a pack of Hearts and a pack of Mints?	15 p
8	Henry buys some Mints and some Toffees. How much change will he get from **20p**?	6 p
9	Maya buys some Hearts and some Chews. How much change will she get from **20p**?	4 p
10	What change from **20p** will Amy get if she buys some Hearts and some Toffees?	7 p

Section 2   Session 2

A | ANSWER

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

B | ANSWER

1	$6 + \square = 15$	9
2	$9 + \square = 13$	4
3	$\square - 4 = 7$	11
4	$12 - \square = 9$	3
5	$\square + 8 = 14$	6
6	$\square + 4 = 20$	16
7	$8 + \square = 20$	12
8	$9 + \square = 20$	11
9	$15 + \square = 20$	5
10	$\square + 10 = 20$	10

C | ANSWER

How much do you spend if you buy

1	a pencil for **9p** and a notepad for **4p**?	13p
2	a lolly for **8p** and a toffee for **4p**?	12p
3	two **7p** lollies?	14p

Which coins do you choose to pay the exact amount for

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

10p and 5p

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

10p and 1p

20p

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

6	a **13p** lolly?	7p
7	an **18p** book?	2p
8	a **14p** pen?	6p
9	a **16p** drink?	4p
10	a **15p** ruler?	5p

Section 2   Session 3

A   ANSWER

#			
1	8 + 4	=	12
2	9 + 3	=	12
3	5 + 7	=	12
4	6 + 8	=	14
5	2 + 9	=	11
6	3 + 17	=	20
7	9 + ☐ = 20		11
8	13 + ☐ = 20		7
9	16 + ☐ = 20		4
10	5 + ☐ = 20		15

B   ANSWER

#		
1	3 and ☐ equals 12.	9
2	☐ and 7 equals 15.	8
3	14 subtract ☐ equals 8.	6
4	The difference between 14 and 9 is	5
5	The difference between 6 and 13 is	7
6	15 and ☐ equals 20.	5
7	☐ and 7 makes 20.	13
8	9 and ☐ equals 20.	11
9	20 subtract 3 leaves	17
10	20 subtract 8 leaves	12

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?	13
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?	12
3	Charlie has **11** black pens and **9** red pens. How many pens does Charlie have in total?	20
4	There are **20** balls in the bag. **18** balls are red. The rest are white. How many balls are white?	2
5	Ana has **20p**. She spends **14p**. How much money does she have left?	6p
6	Nine and seven equals	sixteen
7	Eight and nine is	seventeen
8	Six and five equals	eleven
9	The difference between eleven and nine is	two
10	The difference between twelve and four is	eight

Section 2   Session 4

Session Focus
Add and subtract mentally
Missing number sequences

A | ANSWER

1	42 + 7	=	49
2	54 + 7	=	61
3	74 – 5	=	69
4	65 – 8	=	57
5	23 + 7	=	30

6 | 15 16 17 [18] [19] [20]

7 | 31 32 [33] [34] 35 [36]

8 | 21 23 [25] [27] [29] 31

9 | 44 46 48 [50] [52] [54]

10 | [30] [32] [34] 36 38 40

B | ANSWER

1	54 – ☐ = 46	8
2	63 – 7 = ☐	56
3	84 – ☐ = 76	8
4	23 + ☐ = 31	8
5	54 + ☐ = 62	8

What number do you land on when you

6	start at **53** and count on **5** jumps of **2**?	63
7	start at **28** and count on **6** jumps of **2**?	40
8	start at **56** and count on **4** jumps of **2**?	64
9	start at **40** and count on **7** jumps of **2**?	54
10	start at **39** and count on **8** jumps of **2**?	55

C | ANSWER

1	There are **64** sausages in the butcher's window. He sells **6** sausages. How many are left?	58
2	Ruby has **34** books. Leah has **29** books. How many more books does Ruby have than Leah?	5
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?	37
4	Archie has **64p** in his pocket. He spends **7p**. How much money does Archie have left?	57p
5	Ellie has **55p** in her purse. She spends **9p**. How much money does Ellie have left?	46p
6	What number do you land on if you start on **46** and jump back **5** lots of **2**?	36
7	How many jumps do you make if you start on **67** and jump back in **2**s to **55**?	6
8	Zainab stands on **36**. She decides that if she makes **3** jumps of **2** she will land on **40**. Is she correct?	no
9	Atul stands on **45**. He decides that if he makes **4** jumps back of **2** he will land on **37**. Is he correct?	yes
10	Freddie jumps forward **3** jumps of **2**. He lands on **36**. What number did Freddie start on?	30

Section 2   Session 5

A | ANSWER

1	5 × 2	=	10
2	8 × 2	=	16
3	3 × 2	=	6
4	2 × 5	=	10
5	8 × 5	=	40
6	6 × 5	=	30
7	2 × 10	=	20
8	7 × 10	=	70
9	9 × 10	=	90
10	4 × 10	=	40

B | ANSWER

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

C | ANSWER

8 beads   9 marbles   6 counters
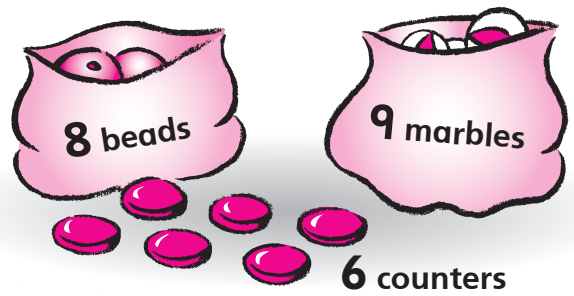
1. Paige has **2** bags of beads. How many beads does Paige have in total? | 16

2. Toby has **5** sets of counters. How many counters does Toby have? | 30

3. David has **10** bags of marbles. How many marbles is that in total? | 90

4. Phoebe has **5** bags of beads. How many beads is that altogether? | 40

5. Matt has **10** sets of counters. How many counters are there altogether? | 60

6. Nathan has **5** bags of marbles. How many marbles does Nathan have? | 45

7. Bethany has **10** bags of beads. How many beads is that in total? | 80

8. Billy has **2** sets of counters. How many counters does he have altogether? | 12

9. Libby has **2** bags of marbles. How many marbles is that? | 18

10. Sam has **5** sets of counters. He adds one more counter to each set. How many counters is that in total? | 35

Section 2   Session 6

A · ANSWER

1	$10 \times 10 =$	100
2	$5 \times 5 =$	25
3	$2 \times 2 =$	4
4	$10 \times 1 =$	10
5	$7 \times 5 =$	35
6	$8 \times 10 =$	80
7	$3 \times 2 =$	6
8	$9 \times 5 =$	45
9	$6 \times 10 =$	60
10	$4 \times 5 =$	20

B · ANSWER

1	$\times 10 = 70$	7
2	$\times 5 = 20$	4
3	$\times 2 = 14$	7
4	$\times 10 = 50$	5
5	$\times 2 = 8$	4
6	$\times 5 = 15$	3
7	$\times 5 = 10$	2
8	$\times 2 = 6$	3
9	$\times 10 = 80$	8
10	$\times 5 = 25$	5

C · ANSWER

1. Rosie has **£4**. Joel has **5** times as much money as Rosie. How much does Joel have? **£20**

2. Ethan has **£8**. Harry has **10** times as much money as Ethan. How much does Harry have? **£80**

3. George has **£6**. Grace has twice as much money as George. How much does Grace have? **£12**

4. Oscar's mum gives him **50p**. This is **5** times the cost of a pencil. How much is the pencil? **10p**

5. Lydia's mum gives her **80p**. This is **10** times the cost of a chocolate. How much is the chocolate? **8p**

6. Muhammad's mum gives him **18p**. This is twice as much as the cost of a lolly. How much is the lolly? **9p**

7. Aaron buys **5** oranges at **9p** each. How much do the oranges cost altogether? **45p**

8. Maisie buys **10** apples at **4p** each. How much do the apples cost in total? **40p**

9. Hannah buys **2** bananas at **8p** each. What is the total cost? **16p**

10. Megan buys **2** pears at **6p** each. How much change does she get from **20p**? **8p**

Section 2   Session 7

A | ANSWER

1. $15 ÷ 5 =$ — **3**
2. $18 ÷ 2 =$ — **9**
3. $30 ÷ 10 =$ — **3**
4. $40 ÷ 5 =$ — **8**
5. $40 ÷ 10 =$ — **4**
6. $12 ÷ 2 =$ — **6**
7. Double **16** is — **32**
8. Double **18** is — **36**
9. Double **19** is — **38**
10. Double **17** is — **34**

B | ANSWER

1. What is **15** divided by **5**? — **3**
2. What is **30** divided by **10**? — **3**
3. What is **50** divided by **10**? — **5**
4. What is **18** divided by **2**? — **9**
5. What is **45** divided by **5**? — **9**
6. What is **100** divided by **10**? — **10**
7. Double thirteen is — **twenty-six**
8. Double fifteen is — **thirty**
9. Double eleven is — **twenty-two**
10. Double fourteen is — **twenty-eight**

C | ANSWER

1. Mia shares fifteen cakes between **5** plates. How many cakes are on each plate? — **3**
2. Leon shares **£30** between **5** people. How much does each person get? — **£6**
3. Keira has **18** toffees. She gives half of them to Lauren. How many toffees does Keira have now? — **9**
4. Sophie has **14** pencils. She puts half of them into her pencil case. How many pencils did Sophie put into her pencil case? — **7**
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? — **8**
6. There are **90** cars to be parked. The cars have to go into rows of **10**. How many rows are needed? — **9**
7. Nick has **20** points. He doubles his score. How many points does he have now? — **40**
8. Niamh doubled her score. Now she has **36** points. How many points did she have to start with? — **18**
9. Jacob has **£17**. His dad doubles Jacob's money. How much money does Jacob have now? — **£34**
10. Olivia has **£28** because her mum doubled her money. How much did Olivia have before her mum doubled the money? — **£14**

Section 2   Session 8

A

			ANSWER
1	50 ÷ 10	=	5
2	40 ÷ 5	=	8
3	16 ÷ 2	=	8
4	15 ÷ 5	=	3
5	70 ÷ 10	=	7
6	12 ÷ 2	=	6
7	Double 15 is		30
8	Double 20 is		40
9	Double 13 is		26
10	Double 17 is		34

B

		ANSWER
1	18 divided by 2 is	9
2	25 divided by 5 is	5
3	60 divided by 10 is	6
4	40 divided by 5 is	8
5	14 divided by 2 is	7
6	100 divided by 10 is	10
7	Double ___ is 28.	14
8	Double ___ is 22.	11
9	Double ___ is 36.	18
10	Double ___ is 26.	13

C

ANSWER

Share

		ANSWER
1	the marbles between 5 people.	6
2	the marbles between 10 people.	3
3	the apples between 2 people.	10
4	the apples between 5 people.	4
5	the apples between 10 people.	2

Tom	15
Josh	18
Lizzie	19
Becky	16
Afam	17

Double

		ANSWER
6	Tom's score.	30
7	Josh's score.	36
8	Lizzie's score.	38
9	Becky's score.	32
10	Afam's score.	34

Section 2 Session 9
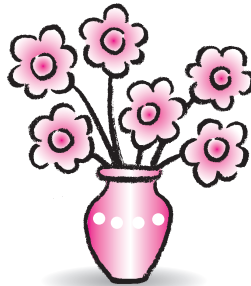
A   ANSWER

1	6 × 2	=	12
2	7 × 5	=	35
3	8 × 10	=	80
4	9 × 5	=	45
5	10 × 5	=	50
6	8 × 10	=	80
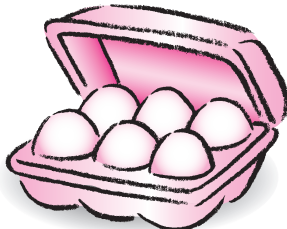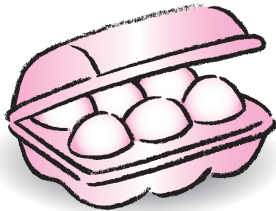
7	12 ÷ 2	=	6
8	35 ÷ 5	=	7
9	60 ÷ 10	=	6
10	14 ÷ 2	=	7

B   ANSWER

1	☐ × 5 = 40	8
2	☐ × 2 = 18	9
3	☐ × 10 = 70	7

4	☐ × 5 = 25	5
5	☐ × 2 = 16	8
6	☐ ÷ 2 = 10	20
7	☐ ÷ 5 = 6	30
8	☐ ÷ 10 = 10	100
9	☐ ÷ 5 = 9	45
10	☐ ÷ 2 = 6	12

C   ANSWER

2p   5p   10p

How much are these worth?

1	five **2p** coins	10p
2	eight **5p** coins	40p
3	seven **10p** coins	70p
4	four **5p** coins	20p
5	six **2p** coins	12p

Share equally

6	**40p** between **5** people.	8p
7	**80p** between **10** people.	8p
8	**35p** between **5** people.	7p
9	**14p** between **2** people.	7p
10	**90p** between **10** people.	9p

25

Section 2   Session 10

A   ANSWER

1   **5 × 5**   **=**   **25**
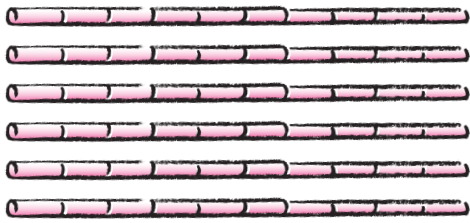
2   **6 × 10**   **=**   **60**

3   **2 × 2**   **=**   **4**

4   **10 × 5**   **=**   **50**

5   **3 × 10**   **=**   **30**

6   **4 × 2**   **=**   **8**

7   **35 ÷ 5**   **=**   **7**
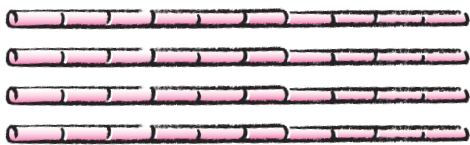
8   **40 ÷ 10**   **=**   **4**

9   **10 ÷ 2**   **=**   **5**

10 **20 ÷ 5**   **=**   **4**

B   ANSWER

1   **7** multiplied by **2** is   **14**

2   **9** multiplied by **5** is   **45**

3   **8** multiplied by **10** is   **80**

4   **5** multiplied by **5** is   **25**

5   **30** divided by **5** is   **6**

6   **70** divided by **10** is   **7**

7   **15** divided by **5** is   **3**

8   **2** divided by **2** is   **1**

9   **12** divided by **2** is   **6**

10 **10** divided by **10** is   **1**

C   ANSWER

1   How many is **5** multiplied by **10**?   **50**

2   What is the product of **6** and **5**?   **30**

3   What is **7** multiplied by **2**?   **14**
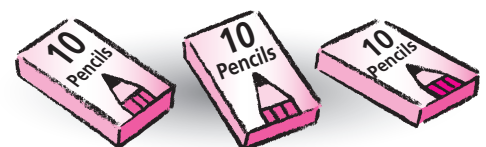
4   What is the product of **3** and **10**?   **30**

5   How many is **7** multiplied by **5**?   **35**

6   What is half of **14**?   **7**

7   What is **8** divided by **2**?   **4**

8   What is **35** divided by **5**?   **7**

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

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

Section 2 Check-up 2

2   ANSWER

1   $5 + 4$ =   9

2   $9 - 4$ =   5

3   $3 + 3$ =   6

4   $7 + 2$ =   9

5   $8 - 7$ =   1

6   $14 + 9$ =   23

7   $21 + 7$ =   28

8   $32 - 7$ =   25

9   $45 - 5$ =   40

10   $11 + 9$ =   20

11   $20 = 15 +$ ▢   5

12   $20 = 17 +$ ▢   3

13   $20 = 6 +$ ▢   14

14   **23, 25, 27, 29,** ▢   31

15   **32, 34, 36, 38,** ▢   40

16   **18, 20, 22, 24,** ▢   26

17   **19, 21, 23, 25,** ▢   27

18   $6 × 5$ =   30

19   $7 × 10$ =   70

20   $8 × 2$ =   16

21   $4 × 5$ =   20

22   $15 ÷ 5$ =   3

23   $18 ÷ 2$ =   9

24   $10 ÷ 10$ =   1

25   Double **14** is   28

26   Double **18** is   36

27   Double **15** is   30

28   Double **11** is   22

29   Double **16** is   32

30   Double **19** is   38

27

Section 3   Group Record Sheet

Class _____

Name	Know pairs that total 20 Session 1	Missing number sequences Session 1	Multiplication facts for 2s, 5s and 10s Session 3	Sharing Session 3	Doubles to 20 Session 5	Halves, quarters, three-quarters and one-third of quantities Session 7	Halves, quarters, three-quarters and one-third of shapes Session 7

Section 3   Session 1

Session Focus
Know pairs that total 20
Missing number sequences
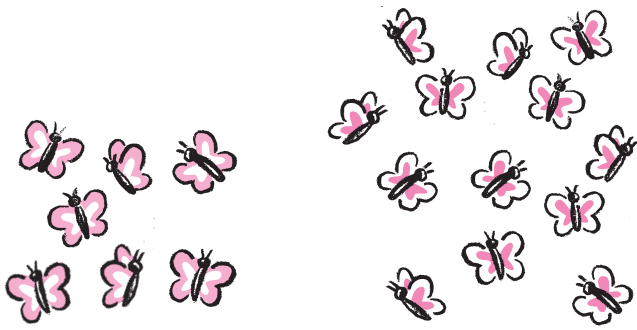
A   ANSWER

1	13 + 7	=	**20**
2	3 + ☐ = 20		**17**
3	7 + ☐ = 20		**13**
4	☐ + 12 = 20		**8**
5	☐ + 9 = 20		**11**
6	16, 17, 18, 19, ☐		**20**
7	36, 38, 40, ☐		**42**

8

0 5 10 15 20 25 30 35 40 45 50

45, 40, 35, ☐ → **30**

9

0 10 20 30 40 50 60 70 80 90 100

80, 70, 60, 50, ☐ → **40**

10

0 3 6 9 12 15 18 21 24 27 30

12, 15, 18, 21, ☐ → **24**
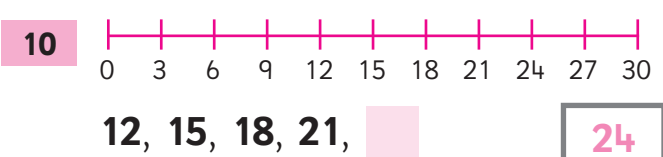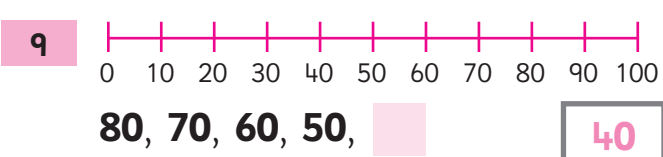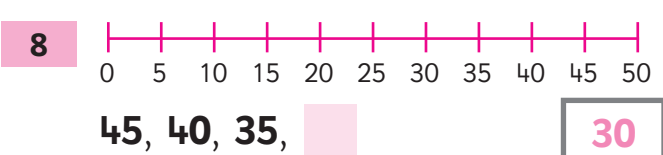
B   ANSWER

1	4 and ☐ total **20**.	**16**
2	17 and ☐ total **20**.	**3**
3	1 and ☐ total **20**.	**19**

4	**16** and ☐ total **20**.	**4**
5	☐ and **6** total **20**.	**14**
6	**7** and ☐ total **20**.	**13**
7	**12, 22, 32, 42,** ☐	**52**
8	**46, 56, 66, 76,** ☐	**86**
9	**99, 89, 79, 69,** ☐	**59**
10	**67, 65, 63, 61,** ☐	**59**

C   ANSWER

Write the change from **20p**.

1	Spend **8p**	**12**p
2	Spend **12p**	**8**p
3	Spend **15p**	**5**p
4	Spend **13p**	**7**p
5	Spend **2p**	**18**p
6	Spend **16p**	**4**p
7	**88, 78, 68, 58,** ☐	**48**
8	**64, 74, 84, 94,** ☐	**104**
9	**36, 33, 30, 27,** ☐	**24**
10	**9, 12, 15, 18,** ☐	**21**

Section 3   Session 2

Session Focus
Know pairs that total 20
Missing number sequences

A

		ANSWER
1	15 + ☐ = 20	5
2	13 + ☐ = 20	7
3	1 + ☐ = 20	19
4	14 + ☐ = 20	6
5	8 + ☐ = 20	12
6	6 + ☐ = 20	14
7	13, 15, 17, 19, ☐	21
8	18, 20, 22, 24, ☐	26
9	36, 38, 40, 42, ☐	44
10	96, 94, 92, 90, ☐	88

B

		ANSWER
1	12 add ☐ equals 20.	8
2	7 add ☐ equals 20.	13
3	19 add ☐ equals 20.	1
4	☐ add 12 equals 20.	8
5	☐ add 14 equals 20.	6
6	36, 46, 56, 66, ☐	76
7	91, 89, 87, 85, ☐	83
8	81, 86, 91, 96, ☐	101
9	36, 39, 42, 45, ☐	48
10	3, 6, 9, 12, ☐	15

C

	ANSWER

Apple **6p**
Orange **9p**
Banana **12p**
Pineapple **14p**
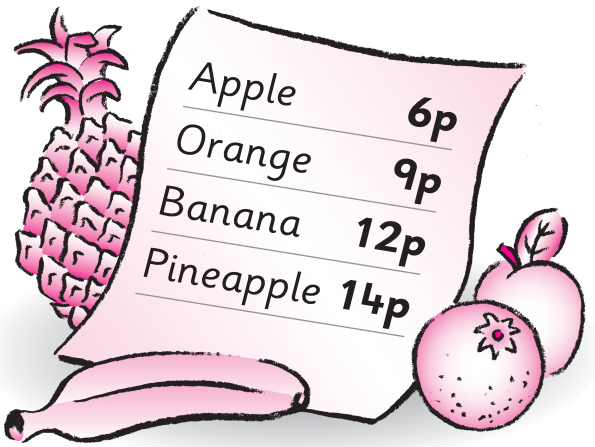
1 An apple and a

| **pineapple** | cost **20p**.

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

2	an apple?	14p
3	a banana?	8p
4	a pineapple?	6p
5	an orange?	11p

Where do you land if you start at

6	7 and count on 5 jumps of 2?	17
7	18 and count on 3 jumps of 5?	33
8	37 and count on 5 jumps of 10?	87
9	42 and count back 3 jumps of 2?	36
10	58 and count back 4 jumps of 10?	18

Section 3 Session 3

A   ANSWER

1	5×2	=	10
2	6×2	=	12
3	8×5	=	40
4	9×10	=	90
5	6×5	=	30
6	$14 \div 2$	=	7
7	$15 \div 5$	=	3
8	$40 \div 10$	=	4
9	$30 \div 5$	=	6
10	$18 \div 2$	=	9

B   ANSWER

1	___ multiplied by **2** is **14**.	7
2	___ multiplied by **5** is **35**.	7
3	___ multiplied by **10** is **50**.	5
4	___ multiplied by **2** is **18**.	9
5	___ multiplied by **5** is **45**.	9
6	___ divided by **5** is **8**.	40
7	___ divided by **2** is **6**.	12
8	___ divided by **10** is **2**.	20
9	___ divided by **5** is **1**.	5
10	**25** divided by ___ is **5**.	5

C   ANSWER

2p — CHEWBAR
5p — (tennis ball)
5p — (marble)
5p — (apple)
10p — (orange)
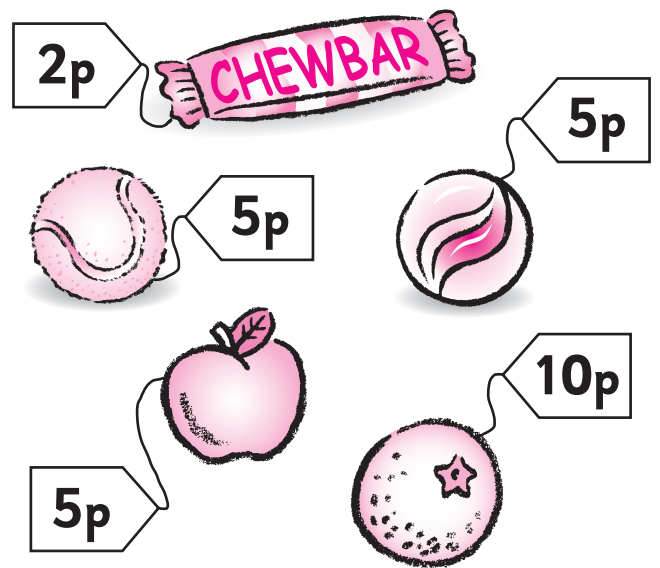
What is the cost of

1	**8** marbles?	**40**p
2	**10** chews?	**20**p
3	**7** tennis balls?	**35**p
4	**9** apples?	**45**p
5	**10** oranges?	**£1** or **100**p

How many does each child receive?

6	**30** muffins shared by **5** children	6
7	**40** strawberries shared by **10** children	4
8	**12** flapjacks shared by **2** children	6
9	**16** mints shared by **2** children	8
10	**80** chocolates shared by **10** children	8

Section 3 Session 4

A | ANSWER

1	8 × 2	=	16
2	9 × 5	=	45
3	7 × 10	=	70
4	4 × 2	=	8
5	7 × 5	=	35
6	12 ÷ 2	=	6
7	40 ÷ 5	=	8
8	40 ÷ 10	=	4
9	16 ÷ 2	=	8
10	25 ÷ 5	=	5

B | ANSWER

1	☐ × 5 = 30	6
2	☐ × 2 = 20	10
3	☐ × 10 = 30	3
4	☐ × 5 = 15	3
5	☐ × 10 = 100	10
6	☐ ÷ 2 = 6	12
7	☐ ÷ 5 = 2	10
8	☐ ÷ 10 = 7	70
9	☐ ÷ 5 = 4	20
10	☐ ÷ 10 = 4	40

C | ANSWER
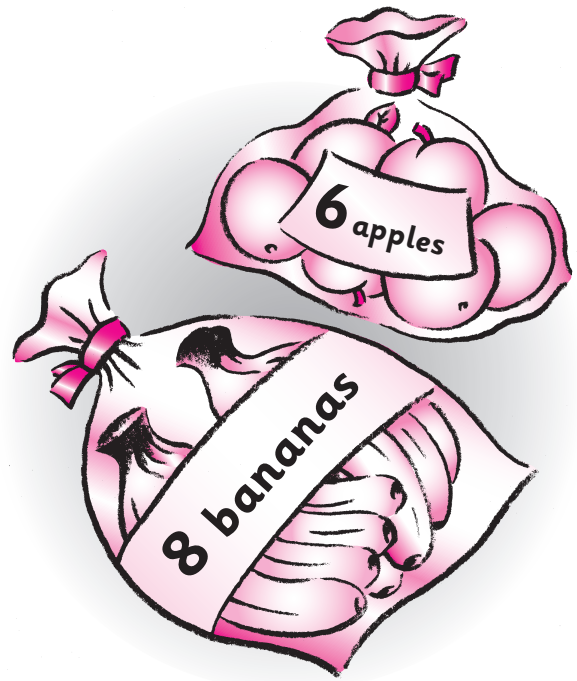
6 apples

8 bananas

Write how many pieces of fruit altogether.

1	2 bags of apples	12
2	5 bags of apples	30
3	10 bags of apples	60
4	2 bags of bananas	16
5	5 bags of bananas	40
6	10 bags of bananas	80
7	35 pieces of fruit shared between 5	7
8	10 pieces of fruit shared between 10	1
9	50 pieces of fruit shared between 5	10
10	14 pieces of fruit shared between 2	7

Section 3   Session 5

A | ANSWER

1	9×2	=	18
2	10×5	=	50
3	9×10	=	90
4	$45 \div 5$	=	9
5	$60 \div 10$	=	6
6	$8 \div 2$	=	4
7	Double 14 is		28
8	Double 17 is		34
9	Double 19 is		38
10	Double 11 is		22

B | ANSWER

1	2 lots of 13 is	26
2	2 lots of 15 is	30
3	2 lots of 18 is	36
4	2 lots of 16 is	32
5	6 multiplied by 5 is	30
6	7 multiplied by 10 is	70
7	9 multiplied by 2 is	18
8	35 divided by 5 is	7
9	30 divided by 10 is	3
10	16 divided by 2 is	8

C | ANSWER

How much is

1	double £18?	£36
2	double £12?	£24
3	double £13?	£26

Share equally

4	£14 between 2.	£7
5	£6 between 2.	£3
6	£20 between 5.	£4
7	£80 between 10.	£8
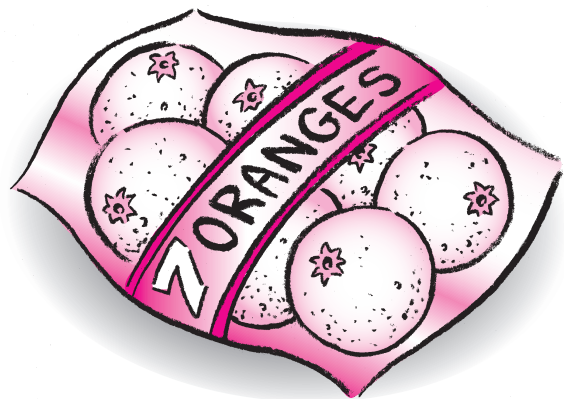
How many oranges in

8	5 packs?	35
9	2 packs?	14
10	10 packs?	70

Section 3   Session 6

A   ANSWER

1	21, 24, 27, ___, 33		30
2	9, 12, 15, ___, 21		18
3	36, 33, 30, ___, 24		27
4	24, 21, 18, ___, 12		15
5	$14 \div 2$	=	7
6	$25 \div 5$	=	5
7	$80 \div 10$	=	8
8	4×2	=	8
9	8×5	=	40
10	6×10	=	60

B   ANSWER

1	**2** lots of **14** is	28
2	Double ___ is **32**.	16
3	Double ___ is **30**.	15
4	**2** lots of **17** is	34
5	**9** multiplied by **2** is	18
6	**8** multiplied by **5** is	40
7	**7** multiplied by **10** is	70
8	**14** shared by **2** is	7
9	**35** shared by **5** is	7
10	**30** shared by **10** is	3

C   ANSWER

Alex

Poppy   16

Abbie   18

Noah   15

          19
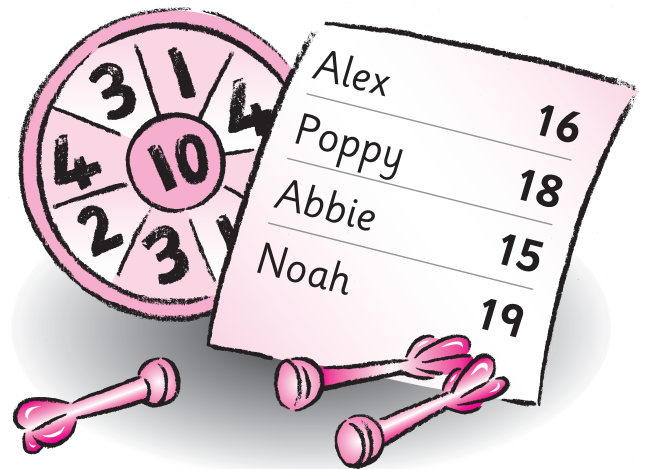
1	Double the largest score.	38
2	Double the smallest score.	30
3	Double Alex's score.	32
4	Double Poppy's score.	36

5	**10** boxes of **5** cakes	50
6	**8** boxes of **2** cakes	16
7	**10** boxes of **10** cakes	100

8	Share **50** marbles between **5**.	10
9	Share **50** marbles between **10**.	5
10	Share **16** marbles between **2**.	8

Section 3   Session 7

Session Focus
Halves, quarters, three-quarters and one-third of quantities
Halves, quarters, three-quarters and one-third of shapes

A   ANSWER

1 Half of **16** is 8

2 Half of **20** is 10

3 $\frac{1}{2}$ of **30** is 15

4 $\frac{1}{2}$ of **22** is 11

5 $\frac{1}{2}$ of **28** is 14

Write what fraction of each shape is shaded.

6 $\frac{1}{2}$

7 $\frac{1}{4}$

8 $\frac{1}{3}$

9 $\frac{3}{4}$
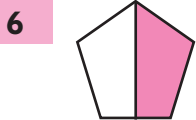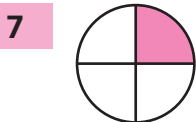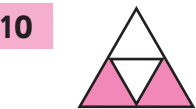
10 $\frac{1}{2}$
                                                   or $\frac{2}{4}$

B   ANSWER

1 A quarter of **12** is 3

2 A quarter of **16** is 4

3 $\frac{1}{4}$ of **20** is 5

4 Three-quarters of **12** is 9

5 Three-quarters of **16** is 12

6 $\frac{3}{4}$ of **20** is 15

7 Shade a quarter.
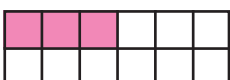
8 Shade a quarter.
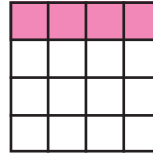
9 Shade three-quarters.

10 Shade one-third.

C   ANSWER

20 toffees   24 chews
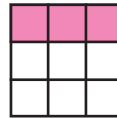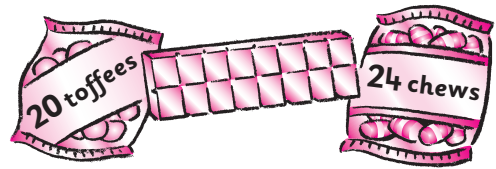
Write how much they eat.

1 Louis eats half of the chocolate. 8 squares

2 Emily eats a quarter of the chocolate. 4 squares

3 Jack eats three-quarters of the chocolate. 12 squares

4 Jess eats half of the toffees. 10

5 Chioma eats a quarter of the toffees. 5

6 Eleanor eats three-quarters of the toffees. 15

7 Katie eats half of the chews. 12

8 Jamil eats a quarter of the chews. 6

9 Lola eats three-quarters of the chews. 18

10 Ryan eats half of the toffees and three-quarters of the chews. 28

35

Section 3 Session 8

Session Focus
Halves, quarters, three-quarters and one-third of quantities
Halves, quarters, three-quarters and one-third of shapes

A | ANSWER

Draw a line to show half.

1

2
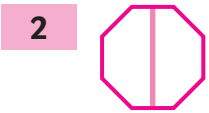
Draw lines to show a quarter.

3

4

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

5

6
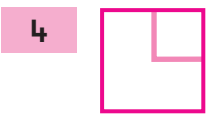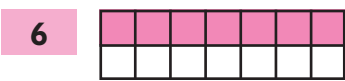
Write what fraction is shaded.

7 | $\frac{1}{2}$

8 | $\frac{3}{4}$

9 | $\frac{1}{3}$
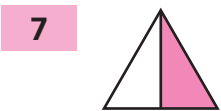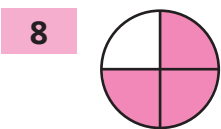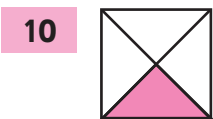
10 | $\frac{1}{4}$

B | ANSWER

Shade a quarter.

1

2

3
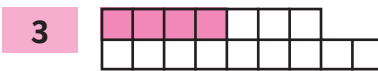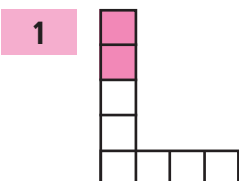
What is

4	a quarter of **20**?	5
5	$\frac{1}{4}$ of **16**?	4
6	$\frac{1}{4}$ of **12**?	3
7	three-quarters of **16**?	12
8	three-quarters of **12**?	9
9	$\frac{3}{4}$ of **20**?	15
10	$\frac{3}{4}$ of **40**?	30

C | ANSWER

Shade three-quarters.

1

2

3
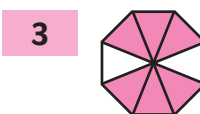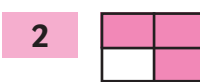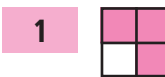
What is

4	a quarter of **20**?	5
5	three-quarters of **20**?	15
6	a quarter of **24**?	6
7	three-quarters of **24**?	18
8	one-third of **30**?	10
9	one-third of **12**?	4
10	$\frac{1}{3}$ of **9**?	3

Section 3 Session 9

A   ANSWER

1 8 × 5   =   40

2 9 × 2   =   18
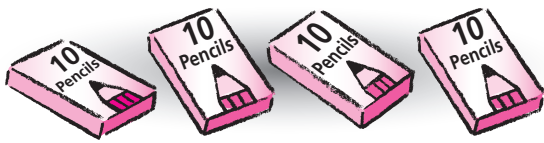
3 4 × 10   =   40

4 6 × 5   =   30

5 7 × 10   =   70
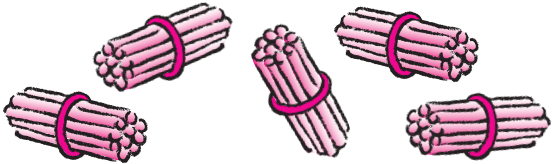
6 50 ÷ 10   =   5

7 40 ÷ 5   =   8

8 20 ÷ 2   =   10

9 16 ÷ 2   =   8
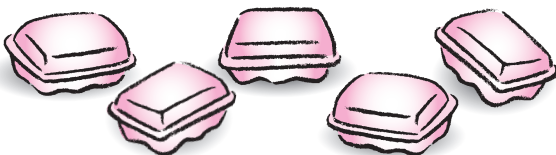
10 30 ÷ 5   =   6

B   ANSWER

What is

1 9 multiplied by 5?   45

2 8 multiplied by 2?   16

3 7 multiplied by 5?   35

4 4 multiplied by 10?   40

5 6 multiplied by 2?   12

6 40 divided by 5?   8

7 90 divided by 10?   9

8 30 divided by 5?   6

9 16 divided by 2?   8

10 100 divided by 10?   10

C   ANSWER

1   divided by 5 equals 5.   25

2   divided by 10 equals 6.   60

3   divided by 2 equals 2.   4

4   divided by 5 equals 4.   20

5   divided by 2 equals 9.   18

6   multiplied by 2 equals 14.   7

7   multiplied by 5 equals 50.   10

8   multiplied by 10 equals 100.   10

9   multiplied by 2 equals 2.   1

10   multiplied by 5 equals 35.   7

Section 3   Session 10

A

		ANSWER
1	4×5 =	20
2	7×2 =	14
3	8×10 =	80
4	$14 \div 2$ =	7
5	$30 \div 5$ =	6
6	$30 \div 10$ =	3
7	$7 + 6 + 3$ =	16
8	$6 + 9 + 7$ =	22
9	$8 + 3 + 6$ =	17
10	$9 + 4 + 8$ =	21

B

		ANSWER
	What is the product of	
1	**8** and **2**?	16
2	**10** and **10**?	100
3	**3** and **5**?	15
	Share equally	
4	**45** between **5**.	9
5	**60** between **10**.	6
6	**18** between **2**.	9
7	Double **14p** is	28p
8	Double **18ml** is	36ml
9	Double **13kg** is	26kg
10	Double **£12** is	£24

C

		ANSWER

Alisha 15
Robbie 18
Matilda 20
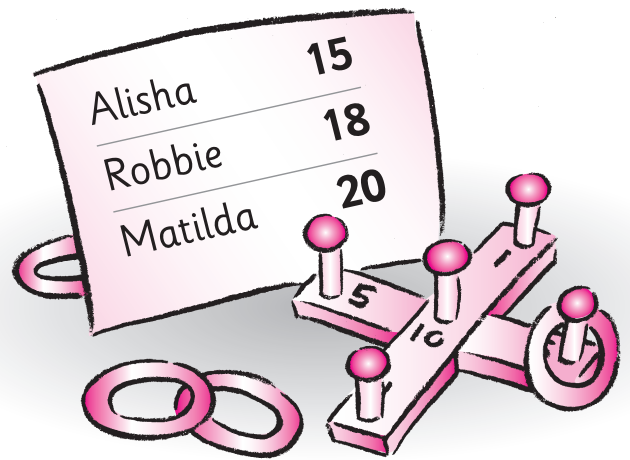
		ANSWER
1	Double Alisha's score.	30
2	Double Robbie's score.	36
3	Double Matilda's score.	40
4	Divide Alisha's score by **5**.	3
5	Divide Robbie's score by **2**.	9
6	Divide Matilda's score by **10**.	2
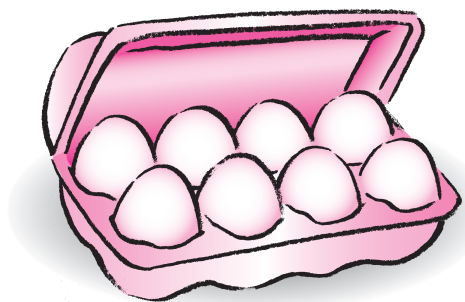
	How many eggs in	
7	**2** boxes?	16
8	**5** boxes?	40
9	**10** boxes?	80
10	Double the eggs in one box and take **6** eggs away.	10

Section 3   Check-up 3

3   ANSWER

1	___ + 5 = 20		**15**
2	___ + 14 = 20		**6**
3	12 + ___ = 20		**8**
4	93, 92, 91, 90, ___		**89**
5	82, 84, 86, 88, ___		**90**
6	6, 11, 16, 21, ___		**26**
7	12, 15, 18, 21, ___		**24**
8	9×10	=	**90**
9	7×5	=	**35**
10	2×2	=	**4**
11	$12 \div 2$	=	**6**
12	$15 \div 5$	=	**3**
13	$40 \div 10$	=	**4**
14	$45 \div 5$	=	**9**
15	$7 + 4 + 8$	=	**19**
16	$8 + 4 + 5$	=	**17**
17	$6 + 7 + 9$	=	**22**
18	$8 + 5 + 9$	=	**22**

19 Shade one-third of this shape.
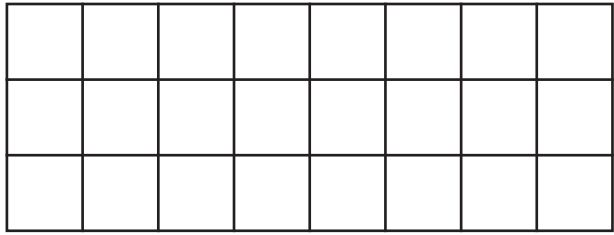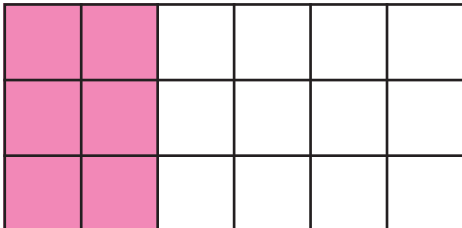
20 What is $\frac{1}{2}$ of **24**?   **12**

21 What is a $\frac{1}{4}$ of **24**?   **6**

22 What is $\frac{3}{4}$ of **24**?   **18**

23 Shade a quarter of this shape.
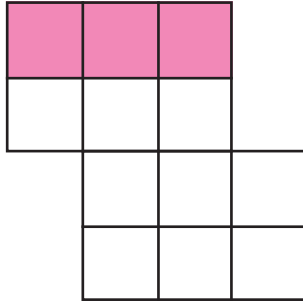
24 How many squares need to be shaded to show three-quarters of the shape above?   **9**

25 Double **18** and add **2**.   **38**

26 Double **17** and add **6**.   **40**
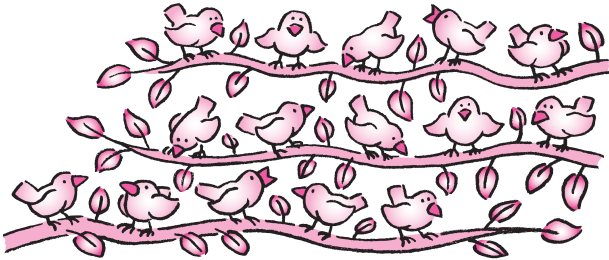
27 The product of **3** and **5**.   **15**

28 The product of **6** and **10**.   **60**

29 Share **40** kiwi fruits equally between **5**.   **8**

30 Share **12** apples equally between **2**.   **6**

39

Check-up 4
Measurement, Geometry and Statistics

Session Focus
Recognise 3-D shapes from drawings. Recognise line symmetry.
Block graphs. Sort onto a diagram. Reading scales. Choose appropriate units of length. Time: to the nearest five minutes. Whole, half, quarter and three-quarter turns.

4 ANSWER

1 2

3
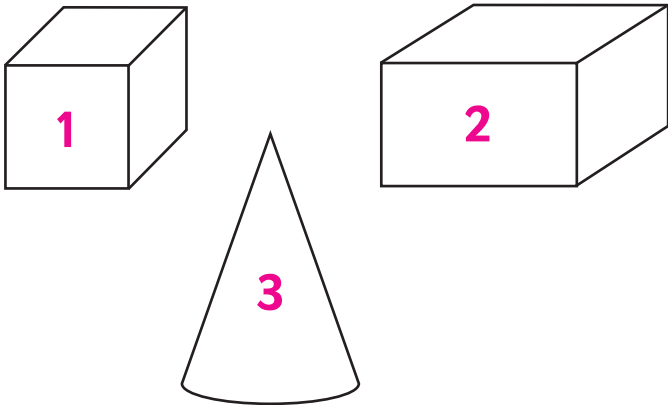
1 Which shape is a cube?   `1`

2 Which shape is a cone?   `3`

3 Which shape is a cuboid?   `2`

4 Draw the line of symmetry.
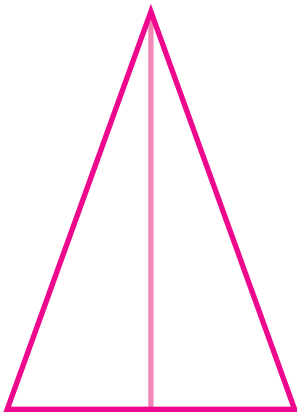
5 Draw a line of symmetry.
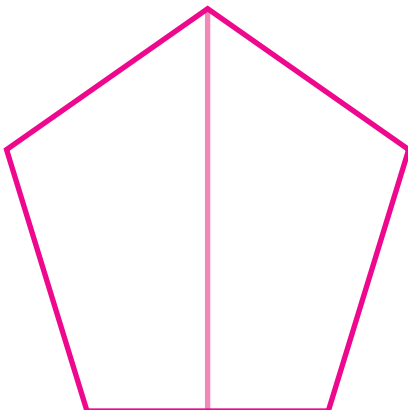
6 Sort the numbers from **1** to **20** onto the diagram.

	2-digit numbers	Not **2**-digit numbers
Odd	11 13 15 17 19	1 3 5 7 9
Not odd	10 12 14 16 18 20	2 4 6 8

7 What is the next odd number after **20**?   `21`

8 What is the next not-odd number after **20**?   `22`

Answer the questions about this block graph.
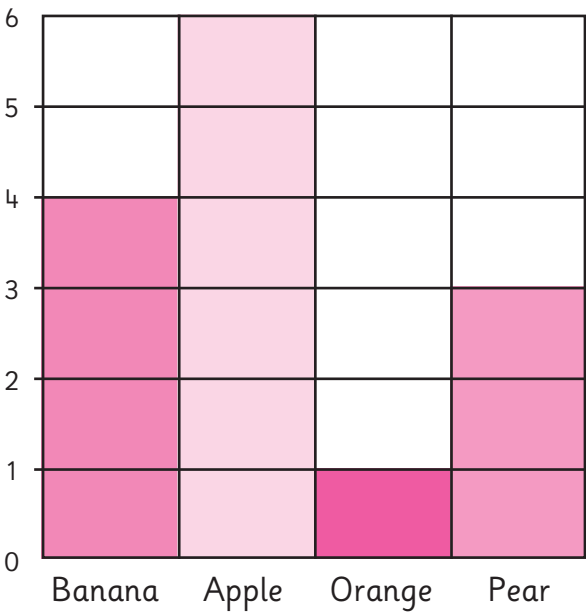
9 Which is the favourite fruit?   `apple`

10 Which fruit do the children like least?   `orange`

40

11 How many more children like apples than pears? **3**

12 How many children voted for their favourite fruit? **14**

20 | **22** | | | | | **29** 30

13 Write the number **22** on the scale.

14 Write the number **29** on the scale.

15 What unit of length would you choose to measure the height of an elephant?

metres

16 What unit of length would you choose to measure the height of a mouse?

centimetres

17 What unit of length would you choose to measure your height?

centimetres

18 How many minutes in one hour? **60**

Draw the hands on the clocks to show the times.

19 Five minutes past six
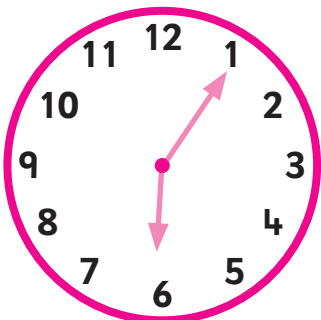
20 Ten minutes to nine
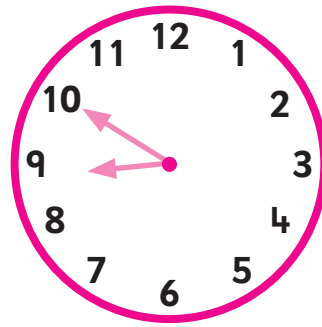
21 Twenty-five past four
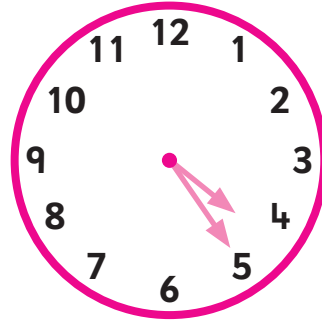
Write whole, half or quarter turn as your answer.
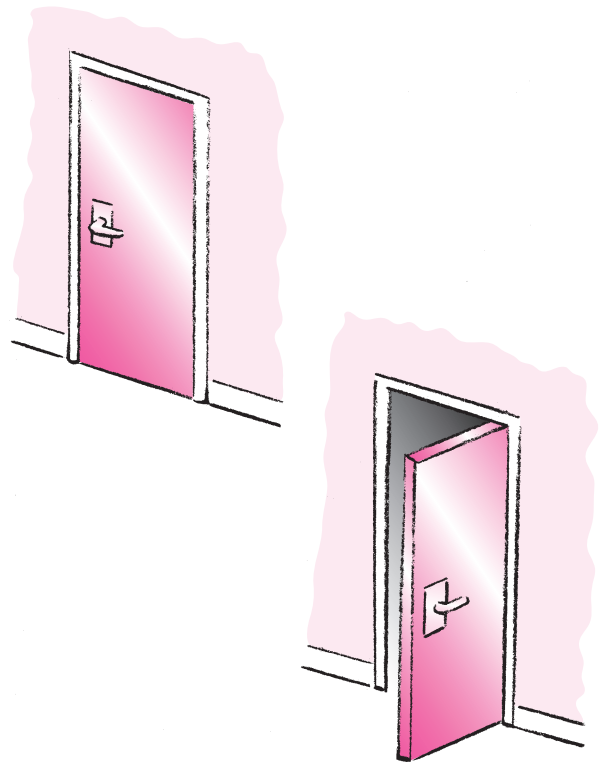
22 How far has the door turned?

quarter turn
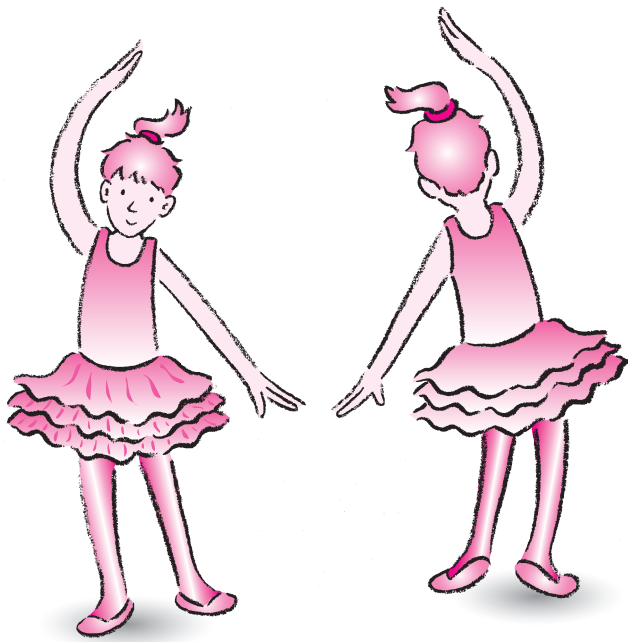
23 How far has the child turned?

half turn

24 The arrow of this dial is pointing to **1**. To which number will it point if the dial is turned clockwise through three-quarters of a turn?
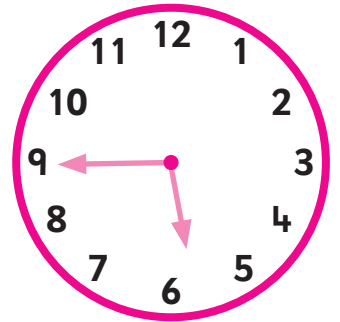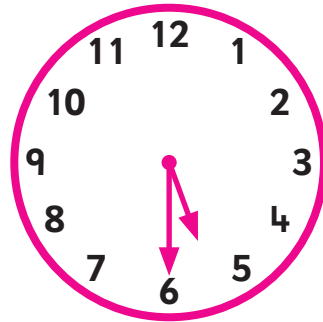
4

1

2

3
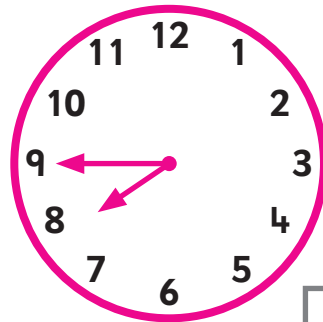
4
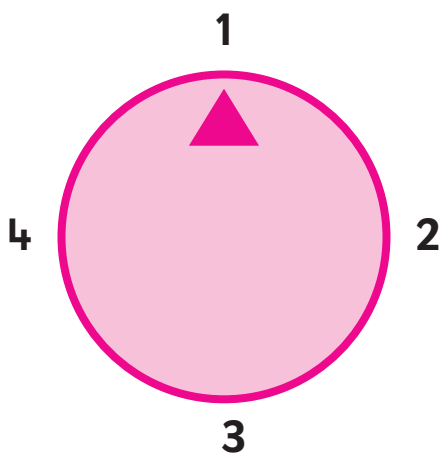
25 How many hours difference is there?

2

10:15
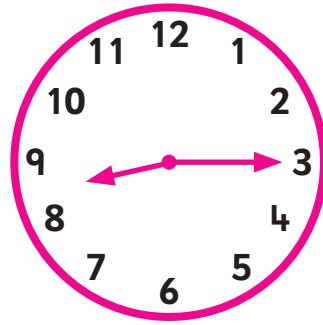
26 Draw hands to show the time in **15** minutes.

27 Write the same time in words.

quarter to eight

28 Seb has **18** metres of rope. He cuts the rope in half. How long is each piece?

9m

29 The bus left at quarter past six and arrived at half past six. How many minutes did it take?

15min

30 A bag of flour weighs **2kg**. How much would **5** bags of flour weigh?

10kg

Just Facts

Session Focus
Pairs that make 20
Doubles to 20
Halves of even numbers to 20

0 + 20	=	20
1 + 19	=	20
2 + 18	=	20
3 + 17	=	20
4 + 16	=	20
5 + 15	=	20
6 + 14	=	20
7 + 13	=	20
8 + 12	=	20
9 + 11	=	20
10 + 10	=	20
11 + 9	=	20
12 + 8	=	20
13 + 7	=	20
14 + 6	=	20
15 + 5	=	20
16 + 4	=	20
17 + 3	=	20
18 + 2	=	20
19 + 1	=	20
20 + 0	=	20

1 + 1	=	2
2 + 2	=	4
3 + 3	=	6
4 + 4	=	8
5 + 5	=	10
6 + 6	=	12
7 + 7	=	14
8 + 8	=	16
9 + 9	=	18
10 + 10	=	20
11 + 11	=	22
12 + 12	=	24
13 + 13	=	26
14 + 14	=	28
15 + 15	=	30
16 + 16	=	32
17 + 17	=	34
18 + 18	=	36
19 + 19	=	38
20 + 20	=	40

$\frac{1}{2}$ of 2	=	1
$\frac{1}{2}$ of 4	=	2
$\frac{1}{2}$ of 6	=	3
$\frac{1}{2}$ of 8	=	4
$\frac{1}{2}$ of 10	=	5
$\frac{1}{2}$ of 12	=	6
$\frac{1}{2}$ of 14	=	7
$\frac{1}{2}$ of 16	=	8
$\frac{1}{2}$ of 18	=	9
$\frac{1}{2}$ of 20	=	10

Just Facts

0 + 0	=	**0**	0 + 1	=	**1**	0 + 2	=	**2**
1 + 0	=	**1**	1 + 1	=	**2**	1 + 2	=	**3**
2 + 0	=	**2**	2 + 1	=	**3**	2 + 2	=	**4**
3 + 0	=	**3**	3 + 1	=	**4**	3 + 2	=	**5**
4 + 0	=	**4**	4 + 1	=	**5**	4 + 2	=	**6**
5 + 0	=	**5**	5 + 1	=	**6**	5 + 2	=	**7**
6 + 0	=	**6**	6 + 1	=	**7**	6 + 2	=	**8**
7 + 0	=	**7**	7 + 1	=	**8**	7 + 2	=	**9**
8 + 0	=	**8**	8 + 1	=	**9**	8 + 2	=	**10**
9 + 0	=	**9**	9 + 1	=	**10**	9 + 2	=	**11**
10 + 0	=	**10**	10 + 1	=	**11**	10 + 2	=	**12**

0 + 3	=	**3**	0 + 4	=	**4**	0 + 5	=	**5**
1 + 3	=	**4**	1 + 4	=	**5**	1 + 5	=	**6**
2 + 3	=	**5**	2 + 4	=	**6**	2 + 5	=	**7**
3 + 3	=	**6**	3 + 4	=	**7**	3 + 5	=	**8**
4 + 3	=	**7**	4 + 4	=	**8**	4 + 5	=	**9**
5 + 3	=	**8**	5 + 4	=	**9**	5 + 5	=	**10**
6 + 3	=	**9**	6 + 4	=	**10**	6 + 5	=	**11**
7 + 3	=	**10**	7 + 4	=	**11**	7 + 5	=	**12**
8 + 3	=	**11**	8 + 4	=	**12**	8 + 5	=	**13**
9 + 3	=	**12**	9 + 4	=	**13**	9 + 5	=	**14**
10 + 3	=	**13**	10 + 4	=	**14**	10 + 5	=	**15**

Just Facts

0 + 6	=	6	0 + 7	=	7	0 + 8	=	8
1 + 6	=	7	1 + 7	=	8	1 + 8	=	9
2 + 6	=	8	2 + 7	=	9	2 + 8	=	10
3 + 6	=	9	3 + 7	=	10	3 + 8	=	11
4 + 6	=	10	4 + 7	=	11	4 + 8	=	12
5 + 6	=	11	5 + 7	=	12	5 + 8	=	13
6 + 6	=	12	6 + 7	=	13	6 + 8	=	14
7 + 6	=	13	7 + 7	=	14	7 + 8	=	15
8 + 6	=	14	8 + 7	=	15	8 + 8	=	16
9 + 6	=	15	9 + 7	=	16	9 + 8	=	17
10 + 6	=	16	10 + 7	=	17	10 + 8	=	18

0 + 9	=	9	0 + 10	=	10
1 + 9	=	10	1 + 10	=	11
2 + 9	=	11	2 + 10	=	12
3 + 9	=	12	3 + 10	=	13
4 + 9	=	13	4 + 10	=	14
5 + 9	=	14	5 + 10	=	15
6 + 9	=	15	6 + 10	=	16
7 + 9	=	16	7 + 10	=	17
8 + 9	=	17	8 + 10	=	18
9 + 9	=	18	9 + 10	=	19
10 + 9	=	19	10 + 10	=	20

Just Facts

Multiplication facts for 2s

1 × 2	=	2
2 × 2	=	4
3 × 2	=	6
4 × 2	=	8
5 × 2	=	10
6 × 2	=	12
7 × 2	=	14
8 × 2	=	16
9 × 2	=	18
10 × 2	=	20
11 × 2	=	22
12 × 2	=	24

Multiplication facts for 5s

1 × 5	=	5
2 × 5	=	10
3 × 5	=	15
4 × 5	=	20
5 × 5	=	25
6 × 5	=	30
7 × 5	=	35
8 × 5	=	40
9 × 5	=	45
10 × 5	=	50
11 × 5	=	55
12 × 5	=	60

Multiplication facts for 10s

1 × 10	=	10
2 × 10	=	20
3 × 10	=	30
4 × 10	=	40
5 × 10	=	50
6 × 10	=	60
7 × 10	=	70
8 × 10	=	80
9 × 10	=	90
10 × 10	=	100
11 × 10	=	110
12 × 10	=	120

Just Facts

Division facts for 2s

2 ÷ 2	=	1
4 ÷ 2	=	2
6 ÷ 2	=	3
8 ÷ 2	=	4
10 ÷ 2	=	5
12 ÷ 2	=	6
14 ÷ 2	=	7
16 ÷ 2	=	8
18 ÷ 2	=	9
20 ÷ 2	=	10
22 ÷ 2	=	11
24 ÷ 2	=	12

Division facts for 5s

5 ÷ 5	=	1
10 ÷ 5	=	2
15 ÷ 5	=	3
20 ÷ 5	=	4
25 ÷ 5	=	5
30 ÷ 5	=	6
35 ÷ 5	=	7
40 ÷ 5	=	8
45 ÷ 5	=	9
50 ÷ 5	=	10
55 ÷ 5	=	11
60 ÷ 5	=	12

Division facts for 10s

10 ÷ 10	=	1
20 ÷ 10	=	2
30 ÷ 10	=	3
40 ÷ 10	=	4
50 ÷ 10	=	5
60 ÷ 10	=	6
70 ÷ 10	=	7
80 ÷ 10	=	8
90 ÷ 10	=	9
100 ÷ 10	=	10
110 ÷ 10	=	11
120 ÷ 10	=	12