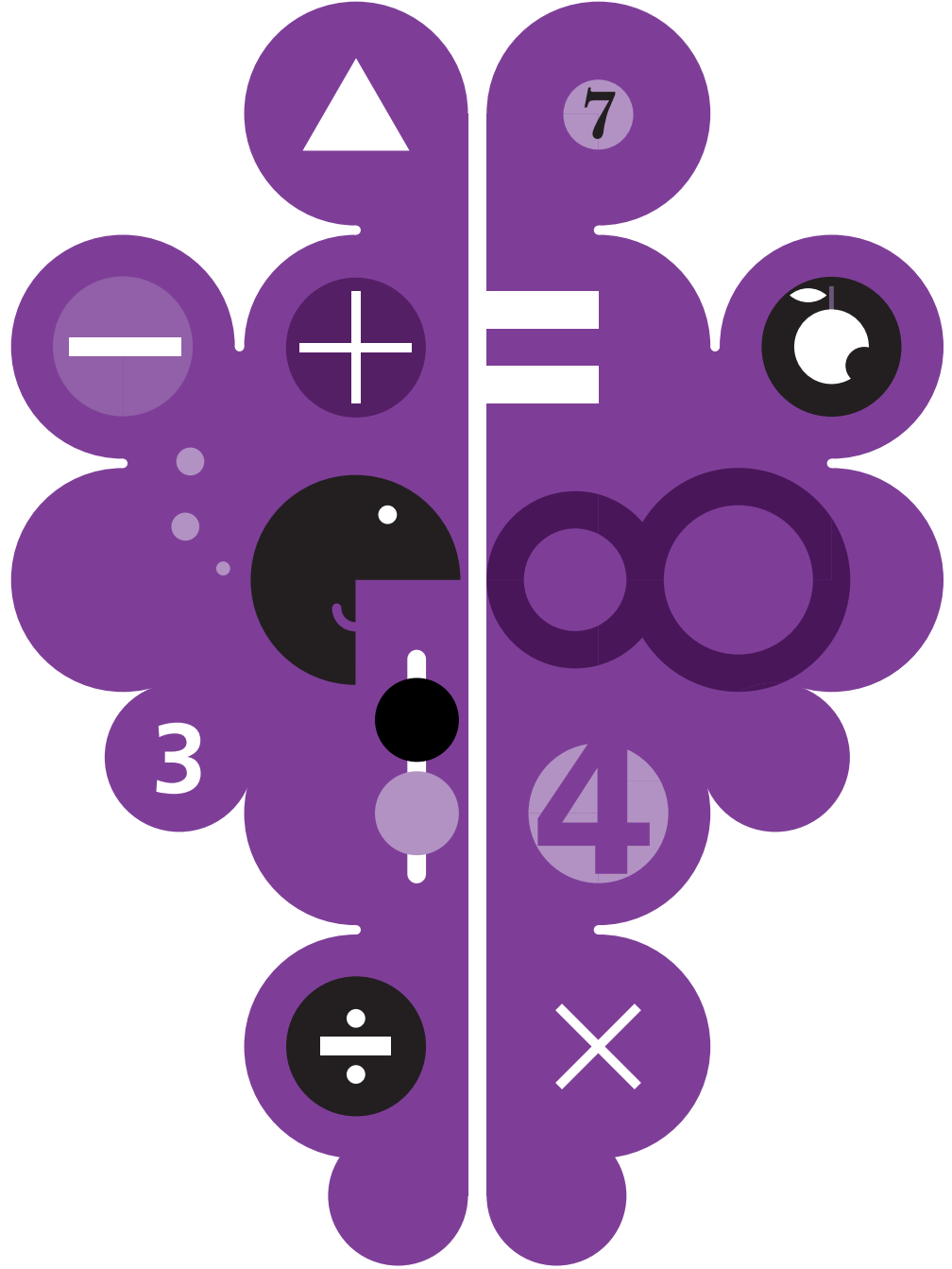


# First Mental Arithmetic 4

## Answers

Schofield & Sims












Name \_\_\_\_\_

# Section 1 Session 1

## Session Focus

Read and write two-digit numbers in digits and words  
Describe and extend number sequences  
Addition and subtraction facts for each number to 10

### A ANSWER





- Write seventeen as a number. 17
- Write twelve as a number. 12
- 10 20 30 40
- 20 25 30 35
- 12 14 16 18
-  +  = 7p
-  -  = 5p
-  -  = 8p
-  +  +  = 9p
- 9 - 4 = 5

### B ANSWER

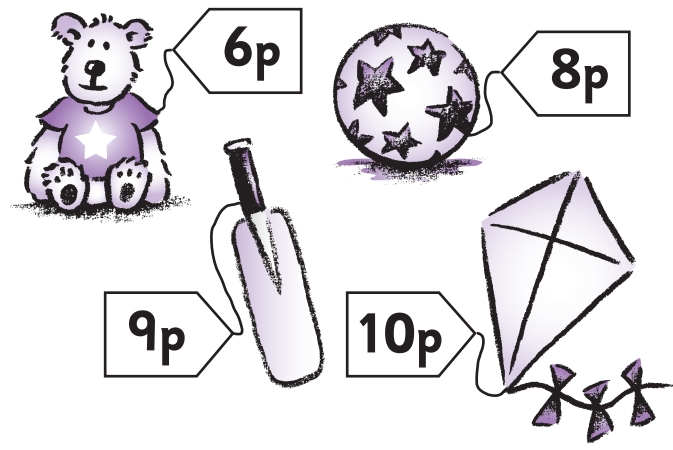
- nine + one = ten
- seven - four = three
- 12 14 16 18 20
- 25 30 35 40 45
- 30 40 50 60 70
- 4 + 5 = 9
- 6 + 2 = 8
- 9 - 7 = 2
- 7 - 4 = 3
- 2 + 5 = 7

### C ANSWER

Fill in the number snakes.

-  20 22 24
-  30 35 40
-  40 50 60 70
-  two four six eight




Here are some prices in the shop.



How much change do you get when you use a 10p coin to buy

- the teddy? 4p
- the ball? 2p
- the bat? 1p

Choose some different groups of coins to pay for the kite.

-  5p 5p
-  5p 2p 2p 1p
-  2p 2p 2p 2p 2p

# Section 1 Session 2

**Session Focus**  
 Recognise odd and even numbers  
 Explain what each digit in a two-digit number represents  
 Addition and subtraction facts for each number to 10

## A ANSWER

- Circle the even number.  
10    11    13
- Circle the odd number.  
 20    23    26
- Tick the number that is fifteen.  
 51    15
- $\square + 4p = 5p$     1p
- $10p - \square = 5p$     5p
- $2p + 2p + 2p = 6p$     6p
- $5p + 2p + 2p = 9p$     9p
- $10p - 5p - 2p = 3p$     3p
- $10p - 2p - 2p = 6p$     6p
- $2p + 2p + 5p + 1p = 10p$     10p

## B ANSWER

- 20, 22, 24, 26
- 19, 21, 23, 25, 27
- Write the number.  

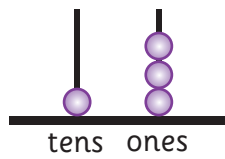
3	2
---	---
- Draw the beads for this number.  

2	4
---	---
- $9 - 4 = 5$     5
- $7 - 5 = 2$     2
- $2 + 4 = 6$     6

- $4 + 5 = 9$     9
- $10 - 10 = 0$     0
- $7 - 6 = 1$     1

## C ANSWER

- Look at these numbers in the cloud.
- 27
13
36
42
89
4
- Write the numbers that are odd.  
13    27    89
  - Write the smallest even number. 4
  - What is the even number in the cloud after 36? 42
  - Draw onto this abacus the smallest odd number in the cloud.



- Find the largest odd number in the cloud.
- How many tens are there? 8
  - How many ones are there? 9
- 6 oranges

4 apples

2 bananas

3 pears
- How many
- apples, bananas and pears are there in total? 9
  - more oranges are there than pears? 3
  - fewer bananas are there than oranges? 4
  - Which two fruits total 7?  
apples and pears

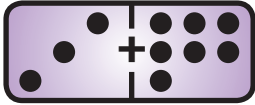
# Section 1 Session 3

**Session Focus**  
Addition and subtraction facts for each number to 10  
Add or subtract mentally a one-digit number from any two-digit number

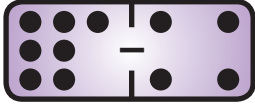
## A ANSWER

1  =

2  =

3  =

4  =


5  =

6  =

7 15 +  =

8 19 +  =

9 25 -  =

10 26 -  =

## B ANSWER

1 5 + 3 =

2 9 - 6 =

3 7 - 7 =

4 3 + 7 =

5 3 + 3 =

6 19 + 2 =

7 36 - 4 =

8 26 + 5 =

9 38 - 9 =

10 45 + 7 =

## C ANSWER

Use these numbers to answer the questions.

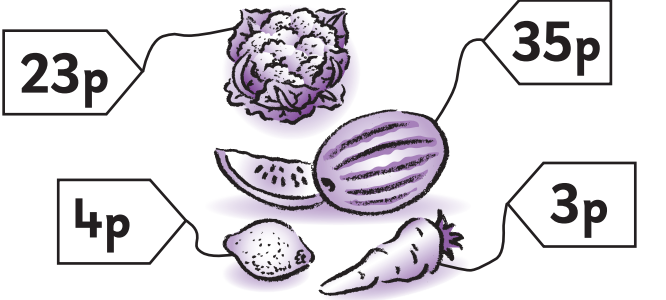
1  +  = 10 E.g.

2  +  = 10 E.g.

3  -  = 4

4  -  = 2

5  +  -  = 0



6 How much for a cauliflower and a lemon?

7 How much more does the cauliflower cost than the lemon?

8 How much for a melon and a parsnip?

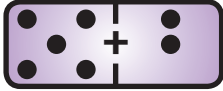
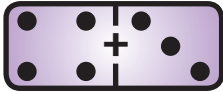


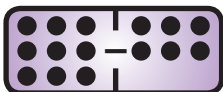

9 How much change from 50p if you buy the lemon and the parsnip?

10 How much change from a 20p and a 10p if you buy a cauliflower and a parsnip?

# Section 1 Session 4

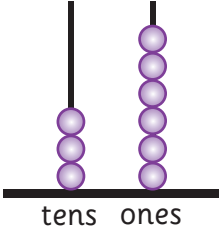
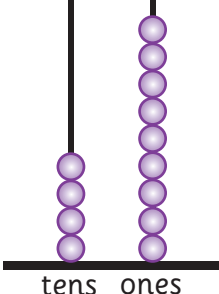
**Session Focus**  
 Read and write two-digit numbers in digits and words  
 Describe and extend number sequences  
 Addition and subtraction facts for each number to 10

## A ANSWER

- Write **23** in words. twenty-three
- Write **36** in words. thirty-six
- Write the next odd number after **39**. 41
- Write the even number just before **43**. 42
-  = 7
-  = 7
-  = 1
-  = 5
-  = 3
-  = 10

## B ANSWER

Show the number on the abacus.

- 3 6  

- 4 9  

- Write twenty-six using numbers. 26
- Write **47** using words. forty-seven

- 5**  $3 + 5 =$  8
- 6**  $7 - 3 =$  4
- 7**  $8 - 1 =$  7
- 8**  $2 + 4 =$  6
- 9**  $4 + 4 =$  8
- 10**  $9 - 8 =$  1

## C ANSWER

- 36 49 92 85

- Write in words the two numbers that are even.  
thirty-six and ninety-two
- Write in words the two numbers that are odd.  
forty-nine and eighty-five
- How many tens in the smallest number? 3
- How many ones in the smallest number? 6



- How many
- pens and rulers altogether? 20
  - more felt pens than pencils? 42
  - more rulers than pencils? 7
  - felt pens and pens in total? 55
  - fewer pens than rulers? 10
  - fewer pencils than rulers? 7

# Section 1 Session 5

## Session Focus

Addition and subtraction facts for each number to 10  
Add or subtract mentally a one-digit number from any two-digit number

**A**

ANSWER

- $5p + 5p = 10p$
- $10p - 2p = 8p$
- $5p + 2p = 7p$
- $10p - 5p - 2p = 3p$
- $2p + 2p + 1p = 5p$
- $15 + 6 = 21$
- $26 + 7 = 33$
- $34 - 5 = 29$
- $42 - 9 = 33$
- $54 + 6 = 60$

**B**

ANSWER

- $4 + 6 = 10$
- $9 - \square = 5$        $4$
- $\square + 3 = 8$        $5$
- $\square - 6 = 3$        $9$
- $7 - \square = 2$        $5$
- $54 + 7 = 61$
- $92 - 3 = 89$
- $36 + 6 = 42$
- $44 - 4 = 40$
- $32 - 8 = 24$

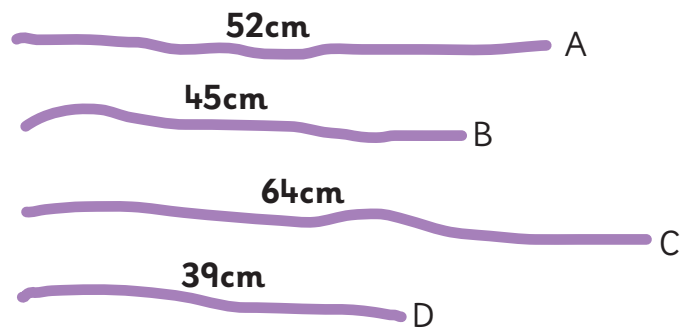
**C**

ANSWER

- 6kg**      **4kg**      **5kg**      **2kg**

Which boxes

- weigh **10kg** in total?  
**6kg** and **4kg**
- have a difference of **3kg**?  
**5kg** and **2kg**
- have a difference in weight of **4kg**?  
**6kg** and **2kg**
- make a total of **6kg**?  
**4kg** and **2kg**
- Which box, added to the **4kg** one, makes a total of **9kg**?      **5kg**



How much is left if you cut

- 4cm** from string A?      **48cm**
- 8cm** from string B?      **37cm**
- 9cm** from string C?      **55cm**
- How much must you cut from string D to leave **35cm**?      **4cm**
- Noah has string A. He needs **61cm** of string. How much more string does he need?      **9cm**

# Section 1 Session 6

**Session Focus**  
 Recognise odd and even numbers  
 Explain what each digit in a two-digit number represents  
 Add or subtract mentally a one-digit number from any two-digit number

## A ANSWER

- 1 Tick the odd numbers.  
 12    45 ✓    76    89 ✓
- 2 Tick the even numbers.  
 36 ✓    45    57    90 ✓

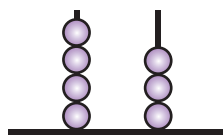
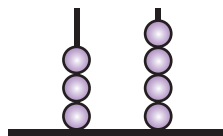
How many

- 3 tens in 56? 5
- 4 ones in 45? 5
- 5 45 + ●●● = 48
- 6 36 + ●●●● = 42
- 7 29 + ●●●●● = 37
- 8 56 - ●● = 52
- 9 92 - ●●● = 89
- 10 83 - ●●●● = 77

## B ANSWER

- 1 45    47    49     51
- 2 58    60    62     64

Write the numbers that the abacuses show.

- 3  4 3
- 4  3 4
- 5 37 + 3 = 40
- 6 49 + 2 = 51
- 7 71 - 3 = 68

- 8 64 - 6 = 58
- 9 92 - 5 = 87
- 10 59 + 4 = 63

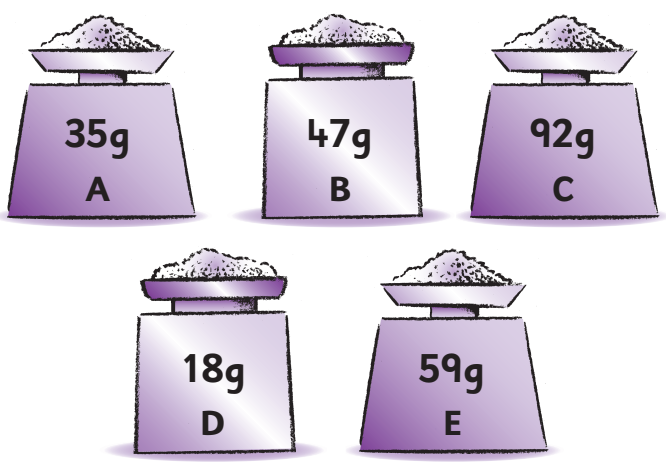
## C ANSWER

Here are some numbers.

- 12    15    19    36    87

Write the

- 1 even numbers. 12 36
- 2 odd numbers. 15 19 87
- 3 number that has three tens. 36
- 4 number that has the most ones. 19



How much

- 5 more sand does scale A need so that its weight is 40g? 5g
- 6 sand must be taken off scale B so that it weighs 40g? 7g
- 7 more sand does scale C need so that it weighs 100g? 8g
- 8 more sand does scale D need so that it weighs 25g? 7g
- 9 sand needs to be taken off scale E so that it weighs 55g? 4g
- 10 more sand does scale B need to make it weigh 50g? 3g

# Section 1 Session 7

**Session Focus**  
 Recognise odd and even numbers  
 Explain what each digit in a two-digit number represents  
 Addition and subtraction facts for each number to 10

## A ANSWER

1 54 56  60

2 47 49  53

Write the numbers.

3 

4 

5  $9 + 1 =$

6  $8 - 2 =$

7  $5 + 3 =$

8  $6 - 6 =$

9  $4 + 5 =$

10  $4 + 4 =$

## B ANSWER

Use these numbers for questions 1 and 2.

Write the

1 lowest even number.

2 highest odd number.

3 46 is  tens and  ones.

4 5 tens and 7 ones is

Write the answers in words.

5 Nine and one makes

6 Ten subtract four leaves

7 Two add seven equals

8 The difference between eight and six is

9  add five equals nine.

10  minus four leaves two.

## C ANSWER

Here are some numbers.




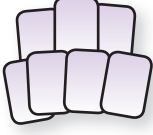
Which number has

1 an eight in its tens and is even?

2 a two in its tens and is odd?

3 a seven in its tens, and is even?

4 Which is the larger odd number, and has a seven in its ones?

     
 Ava - 4 cards    Jake - 8 cards    Molly - 3 cards    Leo - 7 cards

Write your answers in words.

How many

5 cards do Ava and Molly have in total?

6 more cards does Jake have than Molly?

7 in total if Leo and Molly put their cards together?

8 fewer cards does Ava have than Jake?

9 fewer cards does Leo have than Jake?

10 more cards does Ava need to make ten cards?



# Section 1 Session 8

## Session Focus

Addition and subtraction facts for each number to 10  
Add or subtract mentally a one-digit number from any two-digit number

### A ANSWER

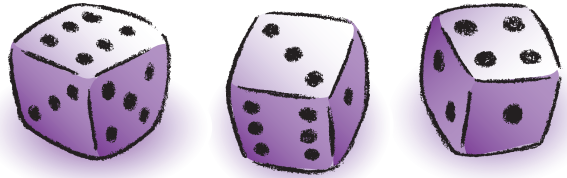
- 1  $5 + 5 = 10$
- 2  $4 + 2 = 6$
- 3  $7 - 3 = 4$
- 4  $8 - 1 = 7$
- 5  $2 + 0 = 2$
- 6  $16 + 4 = 20$
- 7  $9 + 11 = 20$
- 8  $13 - 6 = 7$
- 9  $15 - 9 = 6$
- 10  $18 - 9 = 9$

### B ANSWER

- 1  $\square + 4 = 9$       5
- 2  $2 + 8 = \square$       10
- 3  $6 + \square = 9$       3
- 4  $\square - 6 = 4$       10
- 5  $3 + \square = 10$       7
- 6  $45 + 5 = \square$       50
- 7  $92 - 5 = \square$       87
- 8  $55 + 6 = \square$       61
- 9  $\square - 2 = 70$       72
- 10  $45 - \square = 39$       6

### C ANSWER

The children throw three dice.



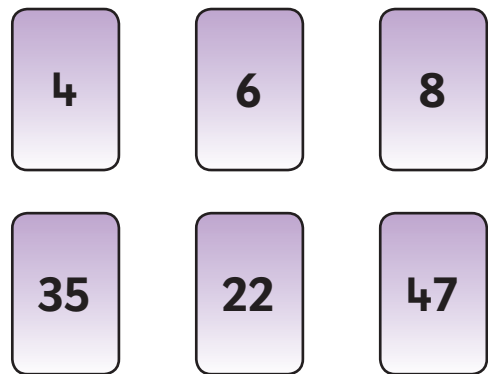
Which dice score

- 1 the total 10?      4 and 6
- 2 the total 7?      3 and 4

What is the difference between

- 3 the highest and lowest dice scores?      3
- 4 the two even scores?      2
- 5  $4 + 6 - 3 =$       7

Use these cards for questions 6 to 10.



- 6 What is the total of the lowest and highest two numbers?      51

Which card

- 7 added to 35, gives a total of 39?      4
- 8 subtracted from 47, leaves 39?      8
- 9 added to 22, gives 30?      8
- 10 What is the total of 35 and 4?      39

# Section 1 Session 9

## Session Focus

Addition and subtraction facts for each number to 10  
Add or subtract mentally a one-digit number from any two-digit number

**A**

ANSWER

- |    |  |   |                                 |
|----|--|---|---------------------------------|
| 1  | $5 + 2$                                    | = | <input type="text" value="7"/>  |
| 2  | $6 - 4$                                    | = | <input type="text" value="2"/>  |
| 3  | $7 - 2$                                    | = | <input type="text" value="5"/>  |
| 4  | $3 + 7$                                    | = | <input type="text" value="10"/> |
| 5  | $2 + 2$                                    | = | <input type="text" value="4"/>  |
| 6  | $15 + \bullet\bullet\bullet$               | = | <input type="text" value="19"/> |
| 7  | $19 - \bullet\bullet\bullet\bullet\bullet$ | = | <input type="text" value="11"/> |
| 8  | $12 + \bullet\bullet\bullet\bullet$        | = | <input type="text" value="18"/> |
| 9  | $12 - \bullet\bullet\bullet\bullet$        | = | <input type="text" value="6"/>  |
| 10 | $17 - \bullet\bullet\bullet\bullet\bullet$ | = | <input type="text" value="9"/>  |

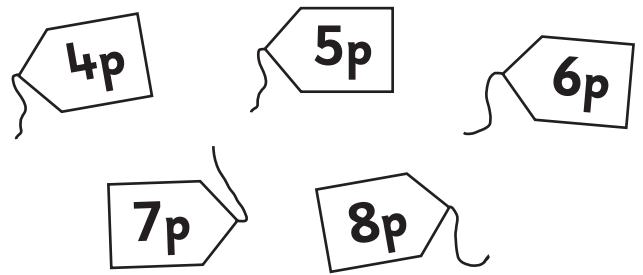
**B**

ANSWER

- |    |                                    |                                 |
|----|------------------------------------|---------------------------------|
| 1  | 5 add 5 equals                     | <input type="text" value="10"/> |
| 2  | 6 subtract 3 leaves                | <input type="text" value="3"/>  |
| 3  | 8 and 2 makes                      | <input type="text" value="10"/> |
| 4  | 7 minus 4 leaves                   | <input type="text" value="3"/>  |
| 5  | The difference between 9 and 4 is  | <input type="text" value="5"/>  |
| 6  | 19 subtract 4 leaves               | <input type="text" value="15"/> |
| 7  | 20 subtract 7 equals               | <input type="text" value="13"/> |
| 8  | 15 and 4 is                        | <input type="text" value="19"/> |
| 9  | 13 add 7 equals                    | <input type="text" value="20"/> |
| 10 | The difference between 16 and 9 is | <input type="text" value="7"/>  |

**C**

ANSWER



How much change do you get from 10p if you spend

- |   |                            |                                  |
|---|----------------------------|----------------------------------|
| 1 | 4p?                        | <input type="text" value="6p"/>  |
| 2 | 8p?                        | <input type="text" value="2p"/>  |
| 3 | 7p?                        | <input type="text" value="3p"/>  |
| 4 | What does 4p and 6p total? | <input type="text" value="10p"/> |
| 5 | You have 5p.               |                                  |

How much more do you need to have a total of 10p?



How much change do you get from 20p if you spend

- |   |     |                                  |
|---|-----|----------------------------------|
| 6 | 7p? | <input type="text" value="13p"/> |
| 7 | 9p? | <input type="text" value="11p"/> |

How much money do you have in total if you have

- |    |                               |                                  |
|----|-------------------------------|----------------------------------|
| 8  | 12p and are given another 8p? | <input type="text" value="20p"/> |
| 9  | 11p and are given another 7p? | <input type="text" value="18p"/> |
| 10 | 8p and are given another 11p? | <input type="text" value="19p"/> |

# Section 1 Session 10

## Session Focus

Addition and subtraction facts for each number to 10  
Add or subtract mentally a one-digit number from any two-digit number

**A**

ANSWER

1  $4 + 3 = 7$

2  $3 + 6 = 9$

3  $5 - 4 = 1$

4  $9 - 6 = 3$

5  $8 - 8 = 0$

6  $8 - 3 = 5$

7  $5 + 2 = 7$

8  $6 - 4 = 2$

9  $2 + 7 = 9$

10  $4 - 2 = 2$

**B**

ANSWER

1  $\square + 4 = 7$       3

2  $2 + \square = 8$       6

3  $7 - \square = 3$       4

4  $\square - 6 = 4$       10

5  $3 + \square = 8$       5

6  $12 + \square = 16$       4

7  $23 - \square = 19$       4

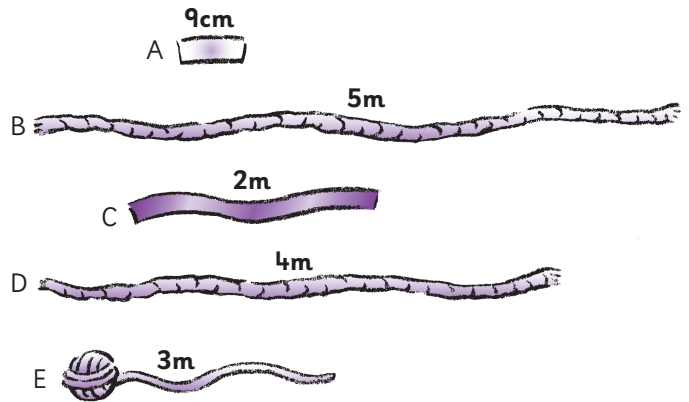
8  $56 + \square = 61$       5

9  $\square + 7 = 36$       29

10  $\square - 7 = 45$       52

**C**

ANSWER



How much is left if

1 **5cm** is cut off A?      4cm

2 **3m** is cut off B?      2m

How much was there at the start if

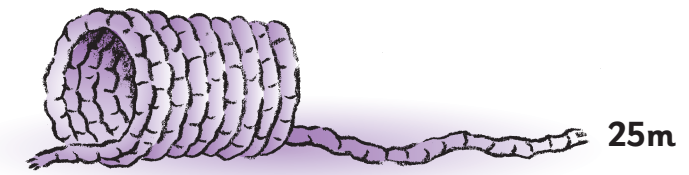
3 **6m** has been cut off C to leave **2m**?      8m

4 **5m** has been cut off D to leave **4m**?      9m

There was **10m** of string E.

5 How much has been cut off?      7m

How much is left if



6 **6m** is cut off the rope?      19m

7 another **4m** is cut off?      15m

8 another **2m** is cut off?      13m

9 another **8m** of rope is cut off?      5m

10 How much is there if another rope measuring **32m** is added to the amount left in question 9?      37m

# Section 1 Check-up 1

## Session Focus

Read/write two-digit numbers in digits and words. Describe/extend number sequences. Recognise odd/even numbers. Explain what each digit in a two-digit number represents. Addition/subtraction facts for each number to 10. Add/subtract mentally a one-digit number from any two-digit number.

**1** ANSWER

**1** Twenty-three in numbers is **23**

**2** **46** in words is **forty-six**

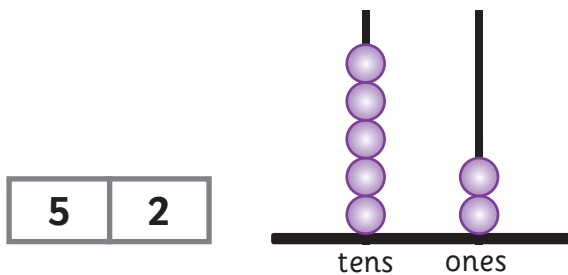
**3** **23 25 27** **29**

**4** **34 36 38** **40**

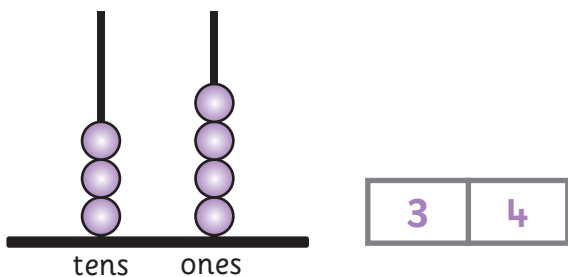
**5** Is **45** odd or even? **odd**

**6** Is **98** odd or even? **even**

**7** Draw the beads for this number.



**8** Write the number.



**9**  $3 + 5 = 8$

**10**  $1 + 9 = 10$

**11**  $6 - 4 = 2$

**12**  $8 - 2 = 6$

**13**  $4 + 6 = 10$

ANSWER

**14**  $7 - 7 = 0$

**15**  $19 + 5 = 24$

**16**  $28 + 3 = 31$

**17**  $36 - 4 = 32$

**18**  $96 - 7 = 89$

**19**  $54 - 7 = 47$

**20**  $57 + 9 = 66$

**21** What is sixteen in numbers? **16**

**22** What is **15** and **3** more jumps of **2**? **21**

**23** What is **2** more than **48**? **50**

**24** What is **4** lots of **5** more than **30**? **50**

**25** Is **2** more than **37** an even number? **no**

**26** **45** is **4** tens and **5** ones.

**27** How much is a **5p** coin and a **2p** coin altogether? **7p**

**28** How much change do you get from **10p** if you spend **4p**? **6p**

**29** How much change do you get from **50p** if you spend **4p**? **46p**

**30** How much change do you get from **17p** if you spend **6p**? **11p**

# Section 2 Group Record Sheet

Class \_\_\_\_\_

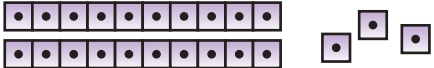
Name	Partition two-digit numbers in different ways Session 1	Order two-digit numbers and position them on a number line Session 1	Add three single-digit numbers Session 1	Use the greater than (>) and less than (<) signs Session 2	Add or subtract mentally a one-digit number from any two-digit number Session 3	Addition and subtraction facts for each number to 20 Session 3	Doubles for all numbers to 20 and their corresponding halves Session 6	Counting in steps of 2, 5 and 10 Session 8

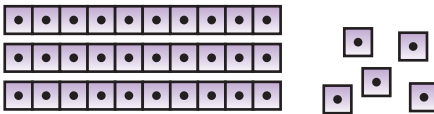
# Section 2 Session 1


**Session Focus**  
Partition two-digit numbers in different ways  
Order two-digit numbers and position them on a number line  
Add three single-digit numbers

## A ANSWER

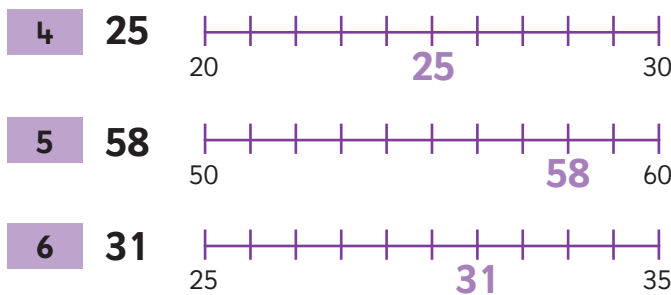
Write how many.

1  23




2  35




3  22




Show where the number belongs.






The numbers show how many doughnuts are in each bag. Find the totals.

7  +  +  = 9

8  +  +  = 10

9  +  +  = 8

10  +  +  = 8

## B ANSWER

1 **23** is 2 tens and 3 ones.

2 **47** is 4 tens and 7 ones.

3 **96** is 9 tens and 6 ones.

Write these in order.

4 **21, 95, 47, 38** 21, 38, 47, 95

5 **73, 37, 45, 35** 35, 37, 45, 73

6 **54, 63, 45, 36** 36, 45, 54, 63

Find the totals.

7 **6 + 3 + 4** = 13

8 **7 + 7 + 2** = 16

9 **8 + 2 + 6** = 16

10 **3 + 4 + 9** = 16

## C ANSWER

1 What number is **9** tens and **5** ones? 95

2 How many tens in **54**? 5

3 How many tens in **46 + 4**? 5



Josh  
7 years



Dad  
43 years



Alice  
19 years



Mum  
39 years

Which member of the family is

4 the oldest? Dad

5 the youngest? Josh

6 Write the names of the family in age order. Start with the youngest.

**Josh, Alice, Mum, Dad**

7 How many years older than Josh is Alice? 12

8 Alice's friend Jack is 2 years older than her. How old is Jack? 21

9 Josh has two friends, also aged 7. What is the total of all three of their ages? 21

10 How many years older than Mum is Dad? 4

# Section 2 Session 2

**Session Focus**  
Partition two-digit numbers in different ways  
Use the greater than (>) and less than (<) signs  
Add three single-digit numbers

## A ANSWER

- 1 5 tens and 1 one is 51
- 2 6 tens and no ones is 60
- 3 8 tens and 9 ones is 89

Write a < or > to make the sentence true.

- 4 56 > 45
- 5 92 < 97
- 6 49 < 51

Find the sum of each set of numbers.

- 7  $5 + 7 + 6 =$  18
- 8  $4 + 7 + 8 =$  19
- 9  $2 + 9 + 6 =$  17
- 10  $3 + 8 + 6 =$  17

## B ANSWER

- 1 3 tens and 4 ones is 34
- 2 5 tens and no ones is 50
- 3 4 tens and 3 ones is 43

Write all the numbers to make these true.

Write the numbers

- 4 up to 100.  
 $92 <$  93, 94, 95, 96, 97, 98, 99, 100
- 5 between 40 and 50.  
 $45 >$  40, 41, 42, 43, 44
- 6 between 30 and 40.  
 $36 >$  30, 31, 32, 33, 34, 35

Use doubles to help you find the totals.

- 7  $8 + 8 + 4 =$  20
- 8  $6 + 6 + 5 =$  17
- 9  $9 + 5 + 9 =$  23
- 10  $7 + 8 + 7 =$  22

## C ANSWER

Write the number that is

- 1 1 more than five tens and seven ones. 58
- 2 1 fewer than five tens and seven ones. 56
- 3 ten more than five tens and seven ones. 67
- 4 ten less than five tens and seven ones. 47

Tick the statements that are correct.

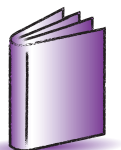
Write the correct answer if the statement is wrong.

- 5  $57 < 56$  57 > 56
- 6  $45 < 54$  ✓
- 7  $64 > 46$  ✓



£9

£4



£6

How much are

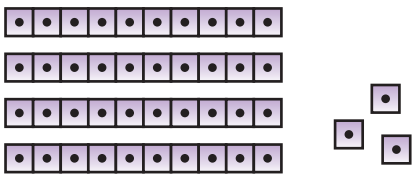
- 8 two toy cars and a book? £ 24
- 9 two mugs and a toy car? £ 17
- 10 a book, a mug and a toy car? £ 19

# Section 2 Session 3

**Session Focus**  
 Add three single-digit numbers  
 Add or subtract mentally a one-digit number from any two-digit number  
 Addition and subtraction facts for each number to 20

## A ANSWER

Write the totals.

1  43

2 9 tens and 1 one is 91

3 6 tens and 7 ones is 67

4  $16 + 7 =$  23

5  $24 - 7 =$  17

6  $32 + 9 =$  41

7  $8 - 5 =$  3

8  $3 + 7 =$  10

9  $9 - 6 =$  3

10  $33 - 9 =$  24

## B ANSWER

Which number is missing?

1  $3 + \square + 3 = 10$  4

2  $4 + 5 + \square = 12$  3

3  $7 + \square + 4 = 14$  3

4 Twenty-one subtract five leaves sixteen

5 Eighty-four add six is ninety

6 Thirty-one take away eight is twenty-three

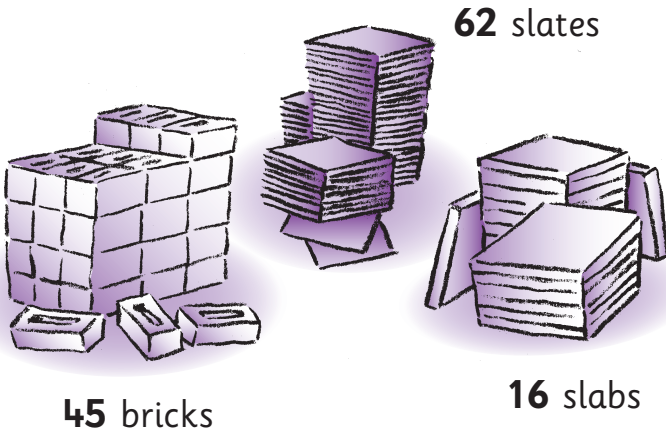
7 The difference between 8 and 4 is 4

8 9 subtract 4 leaves 5

9 5 add 5 equals 10

10 6 add 3 is 9

## C ANSWER



How many

1 bricks are there if 2 more are added? 47

2 slates are there if 6 more are added? 68

3 slabs are there if 9 more are added? 25

4 What is the total of 16 and 8? 24

5 What is 24 subtract 6? 18

6 How many more is 71 than 64? 7

7 How many is 8 and 2 in total? 10

8 What is 10 take away 5? 5

9 What is 5 and 3? 8

10 What is 8 subtract 8? 0












# Section 2 Session 4

**Session Focus**  
Use the greater than (>) and less than (<) signs  
Add or subtract mentally a one-digit number from any two-digit number  
Addition and subtraction facts for each number to 20

## A ANSWER

For questions 1 to 3 write < or >.

- 1 5cm  2cm
- 2 17cm  19cm
- 3 91cm  45cm
- 4 16 + 4 =
- 5 25 - 7 =
- 6 32 + 9 =
- 7  +  =
- 8  -  = 3p
- 9  +  +  =
- 10  -  -  =

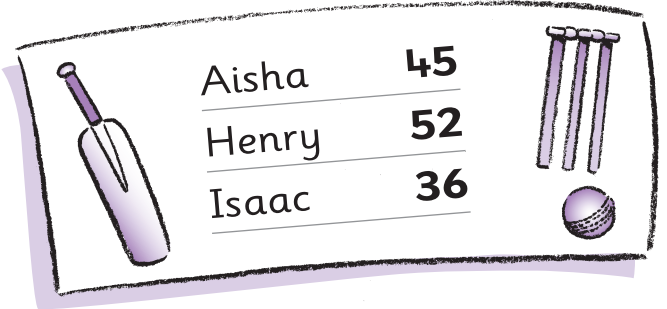
## B ANSWER

Write all the numbers to make these true.

- 1 Write all the numbers greater than 30.  
35 >
- 2 Write all the numbers up to 60.  
56 <
- 3 Write all the numbers greater than 85.  
92 >
- 4 42 subtract 7 leaves
- 5 94 add 6 equals
- 6 56 add 7 equals
- 7 The difference between 9 and 3.

- 8  subtract 4 leaves 3.
- 9  add 6 makes 12.
- 10 4 minus 4 equals

## C ANSWER



Aisha	45
Henry	52
Isaac	36

Whose score is

- 1 greater than Aisha's?
- 2 less than Aisha's?
- 3 less than Henry's but greater than Isaac's?

How many

- 4 more runs does Aisha need to get 50?
- 5 more runs does Henry have than Aisha?
- 6 more runs does Isaac need to have the same score as Aisha?
- 7 more runs does Henry need to have 60?

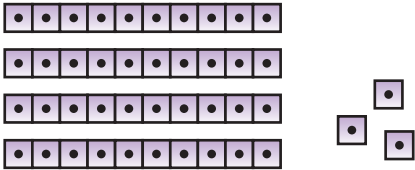
How much

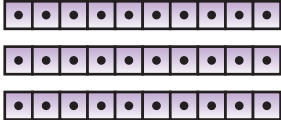
- 8 change from 10p do you get if you spend 4p?
- 9 more is 18p than 4p?
- 10 more than 4p is 13p?

# Section 2 Session 5




**Session Focus**  
Partition two-digit numbers in different ways  
Add or subtract mentally a one-digit number from any two-digit number  
Addition and subtraction facts for each number to 20


## A ANSWER

1  43

2  30

3 6 tens and 9 ones 69

4  +  -  = 11p

5  -  = 14p

6  -  = 43p

7  +  -  = 62p

8  -  = 6p

9  -  = 5p

10  -  = 9p

## B ANSWER

1 4 tens and 3 ones is 43

2 9 tens and 9 ones is 99

3 6 tens and 7 ones is 67

4 36p - 5p = 31p

5 90p - 7p = 83p

6 37p + 8p = 45p

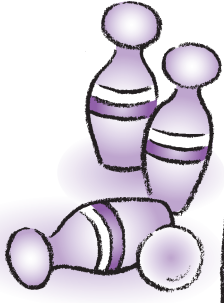
7 85p - 6p = 79p

8 £9 - £2 = £7

9 £5 + £2 = £7

10 £3 + £14 = £17

## C ANSWER

Maya	43	
Ali	37	
Erin	44	

Write these scores.

1 Maya's 4 tens and 3 ones.

2 Ali's 3 tens and 7 ones.

3 Erin's 4 tens and 4 ones.

How many

4 more did Erin score than Maya? 1

5 fewer did Ali score than Erin? 7

6 What is the difference between Maya's score and Ali's score? 6

How much

7 more than 6p is 18p? 12p

8 change do you get from 10p if you spend 3p? 7p

9 are two 5p stamps in total? 10p

10 are a 5p stamp and a 12p stamp in total? 17p

# Section 2 Session 6

**Session Focus**  
 Add or subtract mentally a one-digit number from any two-digit number  
 Addition and subtraction facts for each number to 20  
 Doubles for all numbers to 20 and their corresponding halves










## A ANSWER

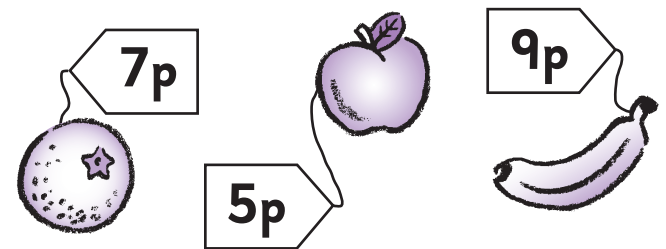
- 1  $14 - 5 = 9$
- 2  $18 - 6 = 12$
- 3  $21 - 7 = 14$
- 4  $9 - 4 = 5$
- 5  $7 + 2 = 9$
- 6  $10 + 10 = 20$
- 7  $3 + 3 = 6$
- 8  $7 + 7 = 14$
- 9  $9 + 9 = 18$
- 10  $6 + 6 = 12$

## B ANSWER

- 1 26 subtract 8 is 18
- 2 The difference between 34 and 7 is 27
- 3 45 add 8 equals 53
- 4 Seven and three is ten
- 5 Nine minus two leaves seven
- 6 Four add six equals ten
- 7 Double 8 is 16
- 8 Half of 20 is 10
- 9 Half of 6 is 3
- 10 Half of 10 is 5

## C ANSWER

- 1 Write the totals for each amount of money.
  -    17p
  -    45p
  -    71p
- 2 Subtract 8p from the smallest total of money. 9p
- 3 Add 7p to the largest total of money. 78p



- 4 How much change from 10p if you buy the orange? 3p

Choose different groups of coins to pay for a banana.

- 5   
- 6    

- How much for
- 7 two apples? 10p
  - 8 two oranges? 14p
  - 9 two bananas? 18p
  - 10 one pear if two pears cost 16p? 8p

# Section 2 Session 7

**Session Focus**  
 Add or subtract mentally a one-digit number from any two-digit number  
 Addition and subtraction facts for each number to 20  
 Doubles for all numbers to 20 and their corresponding halves

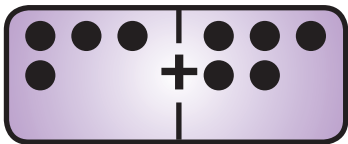
## A ANSWER

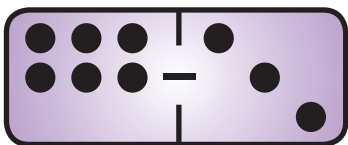
1  $16 + 4 = 20$

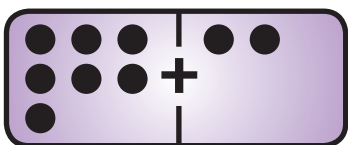
2  $19 - 7 = 12$

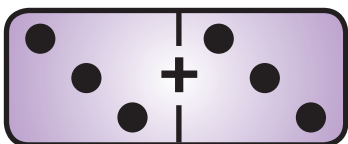
3  $14 + 6 = 20$

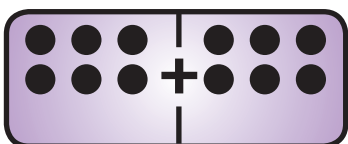
4  $12 - 7 = 5$

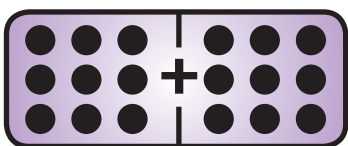
5  = 9

6  = 3

7  = 9

8  = 6

9  = 12

10  = 18

## B ANSWER

1 19 subtract 8 leaves 11

2 15 add 4 equals 19

3 16 add 5 equals 21

4  $9 - \square = 4$  5

5  $6 + \square = 8$  2

6  $\square + 3 = 6$  3

7  $\square + 4 = 4$  0

8 Double 7 is 14

9 Half of 16 is 8

10 Double 5 is 10

## C ANSWER

What is

1 12 subtract 4? 8

2 15 take away 7? 8

3 10 minus 8? 2

4 the total of six and four? 10

5 double 6? 12

6 double 8? 16

7 double 10? 20

8 half of 12? 6

9 half of 18? 9

10 half of 8? 4

# Section 2 Session 8

## Session Focus

Addition and subtraction facts for each number to 20  
 Doubles for all numbers to 20 and their corresponding halves  
 Counting in steps of 2, 5 and 10

### A ANSWER

1  $3 + 7 = 10$

2  $8 - 2 = 6$

3  $2 + 7 = 9$

4  $6 + 6 = 12$

5  $7 + 7 = 14$

6  $9 + 9 = 18$

Continue the pattern.

7 10 20 30  $40$   $50$   $60$

8 5 10 15  $20$   $25$   $30$

9 2 4 6  $8$   $10$   $12$

10 60 50 40  $30$   $20$   $10$

### B ANSWER

1 9 add 1 is  $10$

2 4 subtract 4 is  $0$

3 16 take away 2 leaves  $14$

4 Double 8 is  $16$

5 Half of 10 is  $5$

6 Half of  $24$  is 6.  $12$

7 6 8  $10$   $12$   $14$  16 18

8  $20$  25 30 35  $40$   $45$

9 40 50 60  $70$   $80$   $90$

10 20 18 16  $14$   $12$   $10$

### C ANSWER

How many are left?



1 8 books take away 2 books.  $6$

2 10 books subtract 4 books.  $6$

3 What is the total of 5 and 14?  $19$

4 What number is twice as many as 8?  $16$

5 What is half of 18?  $9$

6 What number is twice as many as 7?  $14$

What is the final number?

7 Start on 35. Add 3 jumps of 5.  $50$

8 Start on 20. Count back 3 twos.  $14$

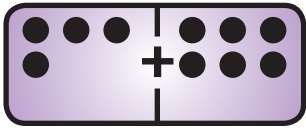
9 Count back 9 tens from 100.  $10$

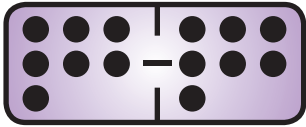
10 Count in fives from zero to 20. How many fives?  $4$

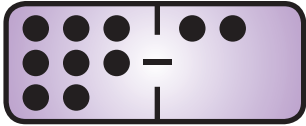
# Section 2 Session 9

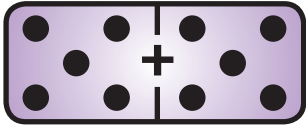
**Session Focus**  
 Addition and subtraction facts for each number to 20  
 Doubles for all numbers to 20 and their corresponding halves  
 Counting in steps of 2, 5 and 10

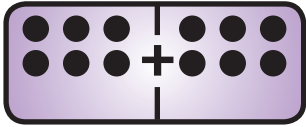
## A ANSWER

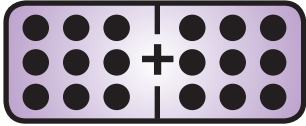
1  =

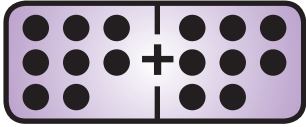
2  =

3  =

4  =

5  =

6  =

7  =

8 20 18 16

9 30 25 20

10 60 50 40

## B ANSWER

1  $5 + \square = 7$

2  $6 - \square = 4$

3  $\square - 3 = 4$

4 Double 6 is

5 Double  is 18.

6 Half of 16 is

7 Half of 10 is

8 10  30  50

9 4  8  12

10 20  30  40

## C ANSWER

How many  is 5 and 4 in total?

is 6 take away 2?

more than 6 is 10?

What is  double 10?

double 6?

half of 18?

half of 8?



What is the final number when you count back  3 tens from 70?

4 tens from 50?



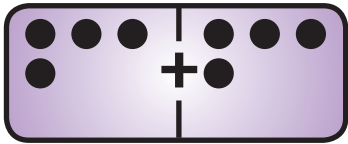
8 fives from 40?

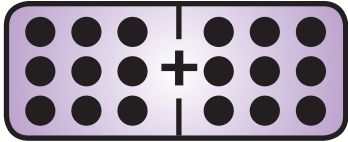
# Section 2 Session 10

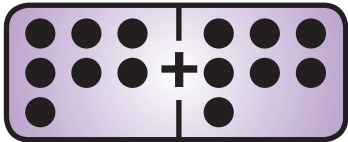
## Session Focus

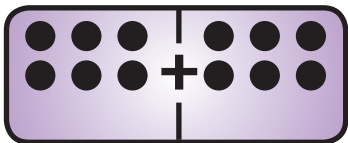
Doubles for all numbers to 20 and their corresponding halves  
Counting in steps of 2, 5 and 10

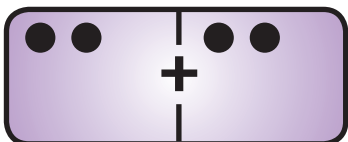
### A ANSWER

1  =

2  =

3  =

4  =

5  =

6 5 10   25

7 30 40 50

8 6 8 10

9 60 50 40

10 18  14   8

### B ANSWER

1 Half of 14 is

2 Half of 18 is

3 Double 2 is

4 Half of 6 is

5 Double 6 is

6 Start at 5. Count on 3 fives.

7 Start at 8. Count on 3 twos.

8 Start at 30. Count on 5 tens.

9 Start at 12.  
Count back 2 twos.

10 Start at 100.  
Count back 5 tens.

### C ANSWER

What number is twice as many as

1 4?

2 6?

3 8?

What number is half of

4 16?

5 18?

What is the final number?

6 Start at 10. Count on 4 tens.

7 Start at 20. Count on 6 fives.

8 Count in twos from 6 to 20.  
How many twos did you count?

9 Count back in fives from  
40 to 25.  
How many fives did you count?

10 Count back in tens from  
70 to zero.  
How many tens did you count?

# Section 2 Check-up 2

### Session Focus

Partition 2-digit numbers in different ways. Order 2-digit numbers. Use the greater than (>) and less than (<) signs. Add three single-digit numbers. Add/subtract mentally a 1-digit number from any 2-digit number. Addition/subtraction facts for each number to 20. Doubles for all numbers to 20 and corresponding halves. Counting in steps of 2, 5 and 10.

## 2 ANSWER

- 1 **56** is the same as  tens and  ones.
- 2 **4** tens and **3** ones is the same as

Write the number on the number line.



- 4 Write the numbers in order  
**62 59 37 84**

- 5 **3 + 6 + 2** =
- 6 **7 + 5 + 3** =
- 7 **15 + 4** =
- 8 **19 + 4** =
- 9 **4 + 3** =
- 10 **9 - 2** =
- 11 **8 + 8** =
- 12 **9 + 9** =

13 Half of **12** is

14 **0 2 4**

15 **0 5 10**

16 **0 10 20**

17 Write **5** tens and **3** ones as a number.

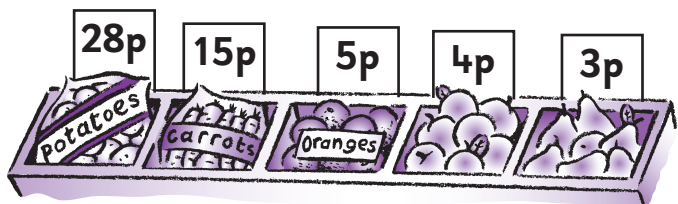
Write < or >.

18 **91**  **19**

19 **23**  **32**

20 Write these numbers in order.  
**97 45 86 37 29**

21 **8 + 7 + 8** =



How much do these total?

- 22 potatoes and an orange
- 23 carrots and an orange
- 24 an orange and an apple
- 25 two pears

How much more

- 26 do the carrots cost than the orange?
- 27 does an orange cost than a pear?

Where do you finish on the number line if you

- 28 start at **10** and make **4** hops of **5**?
- 29 start at **30** and make **6** hops of **10**?
- 30 start at **20** and make **5** hops of **2** back?



# Section 3 Group Record Sheet

Class \_\_\_\_\_

Name	Multiplication facts for 2s Session 1	Multiplication facts for 5s Session 2	Multiplication facts for 10s Session 3	Division facts for 2s Session 4	Division facts for 5s Session 5	Division facts for 10s Session 6	Multiplication and division Session 7	Doubles for all numbers to 10 and their corresponding halves Session 8	Halves, quarters and three-quarters Session 8

# Section 3 Session 1

Session Focus  
Multiplication facts for 2s

## A ANSWER

- 1  $1 + 1 = 2$   
so  $1 \times 2 = 2$
- 2  $2 + 2 = 4$   
so  $2 \times 2 = 4$
- 3  $3 + 3 = 6$   
so  $3 \times 2 = 6$
- 4  $4 + 4 = 8$   
so  $4 \times 2 = 8$
- 5  $5 + 5 = 10$   
so  $5 \times 2 = 10$
- 6  $6 + 6 = 12$   
so  $6 \times 2 = 12$
- 7  $7 + 7 = 14$   
so  $7 \times 2 = 14$
- 8  $8 + 8 = 16$   
so  $8 \times 2 = 16$
- 9  $9 + 9 = 18$   
so  $9 \times 2 = 18$
- 10  $10 + 10 = 20$   
so  $10 \times 2 = 20$

## B ANSWER

- 1  $5 \times 2 = 10$
- 2  $7 \times 2 = 14$
- 3  $8 \times 2 = 16$
- 4  $9 \times 2 = 18$
- 5  $4 \times 2 = 8$
- 6  $6 \times 2 = 12$
- 7  $3 \times 2 = 6$
- 8  $10 \times 2 = 20$
- 9  $2 \times 2 = 4$
- 10  $1 \times 2 = 2$

## C ANSWER



How much for

- 1 6 eggs? **12 p**
- 2 4 eggs? **8 p**
- 3 8 eggs? **16 p**
- 4 5 eggs? **10 p**
- 5 3 eggs? **6 p**
- 6 9 eggs? **18 p**
- 7 2 eggs? **4 p**
- 8 1 egg? **2 p**
- 9 10 eggs? **20 p**
- 10 7 eggs? **14 p**

# Section 3 Session 2

Session Focus  
Multiplication facts for 5s

## A ANSWER

1  $1 + 1 + 1 + 1 + 1 = 5$

so  $1 \times 5 = 5$

2  $2 + 2 + 2 + 2 + 2 = 10$

so  $2 \times 5 = 10$

3  $3 + 3 + 3 + 3 + 3 = 15$

so  $3 \times 5 = 15$

4  $4 + 4 + 4 + 4 + 4 = 20$

so  $4 \times 5 = 20$

5  $5 + 5 + 5 + 5 + 5 = 25$

so  $5 \times 5 = 25$

6  $6 + 6 + 6 + 6 + 6 = 30$

so  $6 \times 5 = 30$

7  $7 + 7 + 7 + 7 + 7 = 35$

so  $7 \times 5 = 35$

8  $8 + 8 + 8 + 8 + 8 = 40$

so  $8 \times 5 = 40$

9  $9 + 9 + 9 + 9 + 9 = 45$

so  $9 \times 5 = 45$

10  $10 + 10 + 10 + 10 + 10 = 50$

so  $10 \times 5 = 50$

## B ANSWER

1 5 multiplied by 5 is 25

2 2 times 5 is 10

3 6 multiplied by 5 is 30

4 1 times 5 equals 5

5 9 times 5 is 45

6 7 times 5 is 35

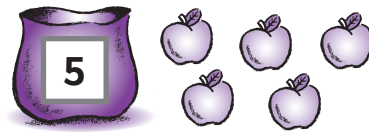
7 10 multiplied by 5 is 50

8 4 multiplied by 5 equals 20

9 3 multiplied by 5 equals 15

10 8 times 5 is 40

## C ANSWER



How many apples in

1 2 packs? 10

2 6 packs? 30

3 1 pack? 5

4 7 packs? 35

5 3 packs? 15

6 8 packs? 40

7 10 packs? 50

8 4 packs? 20

9 9 packs? 45

10 5 packs? 25

# Section 3 Session 3

Session Focus  
Multiplication facts for 10s

## A ANSWER

- 1  $1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 10$   
so  $1 \times 10 = 10$
- 2  $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$   
so  $2 \times 10 = 20$
- 3  $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 30$   
so  $3 \times 10 = 30$
- 4  $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = 40$   
so  $4 \times 10 = 40$
- 5  $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 50$   
so  $5 \times 10 = 50$
- 6  $6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 = 60$   
so  $6 \times 10 = 60$
- 7  $7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 = 70$   
so  $7 \times 10 = 70$
- 8  $8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 = 80$   
so  $8 \times 10 = 80$
- 9  $9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 = 90$   
so  $9 \times 10 = 90$
- 10  $10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 = 100$   
so  $10 \times 10 = 100$

## B ANSWER

- 1  $5 \times 10 = 50$
- 2  $7 \times 10 = 70$
- 3  $9 \times 10 = 90$
- 4  $3 \times 10 = 30$
- 5  $4 \times 10 = 40$
- 6  $6 \times 10 = 60$
- 7  $2 \times 10 = 20$
- 8  $10 \times 10 = 100$
- 9  $1 \times 10 = 10$
- 10  $8 \times 10 = 80$

## C ANSWER



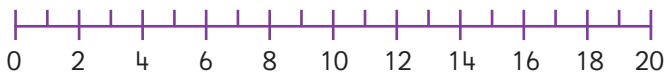
How much is

- 1 5 10p coins? **50p**
- 2 6 10p coins? **60p**
- 3 2 10p coins? **20p**
- 4 7 10p coins? **70p**
- 5 3 10p coins? **30p**
- 6 4 £10 notes? **£40**
- 7 8 £10 notes? **£80**
- 8 10 £10 notes? **£100**
- 9 1 £10 note? **£10**
- 10 9 £10 notes? **£90**

# Section 3 Session 4

Session Focus  
Division facts for 2s

## A ANSWER



- 1 2 divided by 2 is   
so  $2 \div 2 =$
- 2 4 divided by 2 is   
so  $4 \div 2 =$
- 3 6 divided by 2 is   
so  $6 \div 2 =$
- 4 8 divided by 2 is   
so  $8 \div 2 =$
- 5 10 divided by 2 is   
so  $10 \div 2 =$
- 6 12 divided by 2 is   
so  $12 \div 2 =$
- 7 14 divided by 2 is   
so  $14 \div 2 =$
- 8 16 divided by 2 is   
so  $16 \div 2 =$
- 9 18 divided by 2 is   
so  $18 \div 2 =$
- 10 20 divided by 2 is   
so  $20 \div 2 =$

## B ANSWER

- 1  $6 \div 2 =$
- 2  $4 \div 2 =$
- 3  $8 \div 2 =$
- 4  $10 \div 2 =$
- 5  $20 \div 2 =$
- 6  $14 \div 2 =$
- 7  $12 \div 2 =$
- 8  $16 \div 2 =$
- 9  $2 \div 2 =$
- 10  $18 \div 2 =$

## C ANSWER



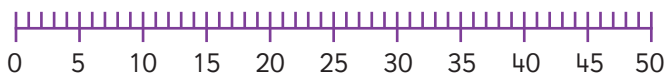
How many pairs are

- 1 4 socks?
- 2 6 socks?
- 3 10 socks?
- 4 2 socks?
- 5 8 socks?
- 6 12 socks?
- 7 20 socks?
- 8 18 socks?
- 9 16 socks?
- 10 14 socks?

# Section 3 Session 5

Session Focus  
Division facts for 5s

## A ANSWER



- 1 5 divided by 5 is   
so  $5 \div 5 =$
- 2 10 divided by 5 is   
so  $10 \div 5 =$
- 3 15 divided by 5 is   
so  $15 \div 5 =$
- 4 20 divided by 5 is   
so  $20 \div 5 =$
- 5 25 divided by 5 is   
so  $25 \div 5 =$
- 6 30 divided by 5 is   
so  $30 \div 5 =$
- 7 35 divided by 5 is   
so  $35 \div 5 =$
- 8 40 divided by 5 is   
so  $40 \div 5 =$
- 9 45 divided by 5 is   
so  $45 \div 5 =$
- 10 50 divided by 5 is   
so  $50 \div 5 =$

## B ANSWER

- 1  $10 \div 5 =$
- 2  $20 \div 5 =$
- 3  $30 \div 5 =$
- 4  $15 \div 5 =$
- 5  $5 \div 5 =$
- 6  $35 \div 5 =$
- 7  $45 \div 5 =$
- 8  $40 \div 5 =$
- 9  $50 \div 5 =$
- 10  $25 \div 5 =$

## C ANSWER



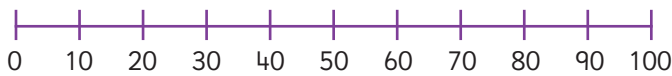
How many 5p coins in

- 1 20p?
- 2 10p?
- 3 40p?
- 4 15p?
- 5 50p?
- 6 30p?
- 7 5p?
- 8 45p?
- 9 35p?
- 10 25p?

# Section 3 Session 6

Session Focus  
Division facts for 10s

## A ANSWER



- 1 10 divided by 10 is   
so  $10 \div 10 =$
- 2 20 divided by 10 is   
so  $20 \div 10 =$
- 3 30 divided by 10 is   
so  $30 \div 10 =$
- 4 40 divided by 10 is   
so  $40 \div 10 =$
- 5 50 divided by 10 is   
so  $50 \div 10 =$
- 6 60 divided by 10 is   
so  $60 \div 10 =$
- 7 70 divided by 10 is   
so  $70 \div 10 =$
- 8 80 divided by 10 is   
so  $80 \div 10 =$
- 9 90 divided by 10 is   
so  $90 \div 10 =$
- 10 100 divided by 10 is   
so  $100 \div 10 =$

## B ANSWER

- 1  $20 \div 10 =$
- 2  $90 \div 10 =$
- 3  $60 \div 10 =$
- 4  $70 \div 10 =$
- 5  $10 \div 10 =$
- 6  $30 \div 10 =$
- 7  $50 \div 10 =$
- 8  $40 \div 10 =$
- 9  $80 \div 10 =$
- 10  $100 \div 10 =$

## C ANSWER



How many boxes of 10 will be filled by

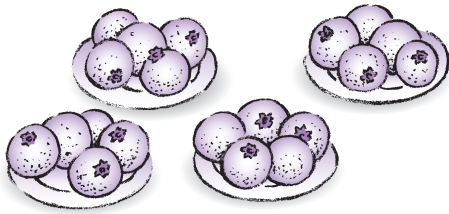
- 1 20 eggs?
- 2 50 eggs?
- 3 80 eggs?
- 4 40 eggs?
- 5 30 eggs?
- 6 60 eggs?
- 7 10 eggs?
- 8 70 eggs?
- 9 100 eggs?
- 10 90 eggs?

# Section 3 Session 7

Session Focus  
Multiplication and division

## A ANSWER

1  $5 \times 2 = 10$

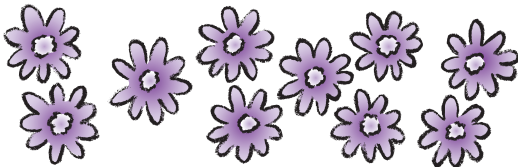


2  $4 \times 5 = 20$

3  $6 \times 10 = 60$

4  $8 \times 2 = 16$

5  $3 \times 5 = 15$

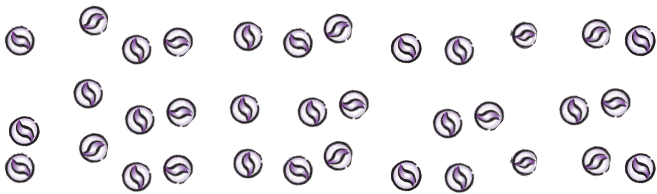


6  $10 \div 2 = 5$

7  $20 \div 5 = 4$

8  $30 \div 10 = 3$

9  $60 \div 10 = 6$



10  $35 \div 5 = 7$

## B ANSWER

1  $15 \div 5 = 3$

2  $30 \div 3 = 10$

3  $6 \div 2 = 3$

4  $5 \times 5 = 25$

5  $7 \times 10 = 70$

6  $9 \times 2 = 18$

7  $12 \div 2 = 6$

8  $35 \div 5 = 7$

9  $80 \div 10 = 8$

10  $40 \div 5 = 8$

## C ANSWER

1 What is 6 multiplied by 2? **12**

2 What is 6 shared between 2? **3**

3 What is 5 times 8? **40**

4 What is 10 times 8? **80**

5 What is 35 shared between 5? **7**

6 What is 40 shared between 10? **4**

7 What is 16 shared between 2? **8**

8 What is 25 shared between 5? **5**



9 How much is double 10p? **20p**



10 How much is 3 5p coins? **15p**



# Section 3 Session 8

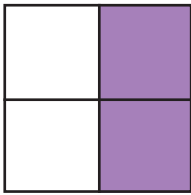
## Session Focus

Doubles for all numbers to 10 and their corresponding halves  
Halves, quarters and three-quarters

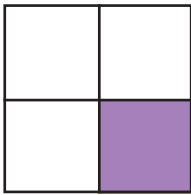
### A ANSWER

- 1 Double 8 is 16
- 2 Double 4 is 8
- 3 Double 9 is 18
- 4 Double 5 is 10
- 5 Double 1 is 2

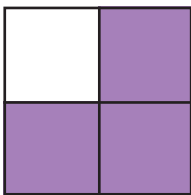
6 Shade half.



7 Shade a quarter.



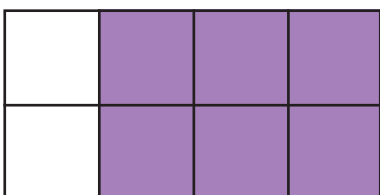
8 Shade three-quarters.



9 Shade a quarter.



10 Shade three-quarters.



### B ANSWER

- 1 Half of 6 is 3
- 2 Half of 20 is 10
- 3 Half of 16 is 8
- 4 Half of 8 is 4
- 5 Half of 10 is 5

What is

- 6 half of 12? 6
- 7 a quarter of 12? 3
- 8 three-quarters of 12? 9
- 9 a quarter of 16? 4
- 10 three-quarters of 16? 12

### C ANSWER

What is

- 1 half of 12? 6
- 2 half of 16? 8
- 3 half of 20? 10
- 4 a quarter of 20? 5
- 5 three-quarters of 20? 15
- 6 double 5 and then double again? 20
- 7 a half of 16 then a half again? 4
- 8 a half of 14 then add one? 8
- 9 double 3 and double again? 12
- 10 a half of 18 then double this? 18

# Section 3 Session 9

## Session Focus

Doubles for all numbers to 10 and their corresponding halves  
Halves, quarters and three-quarters  
Multiplication and division

### A ANSWER

1  $6 + 6 =$

12

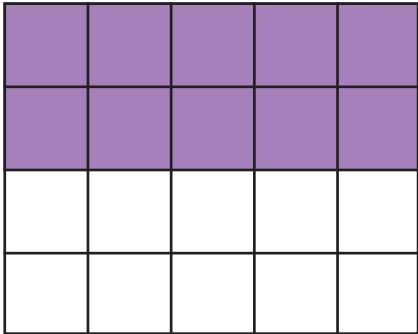
2  $9 + 9 =$

18

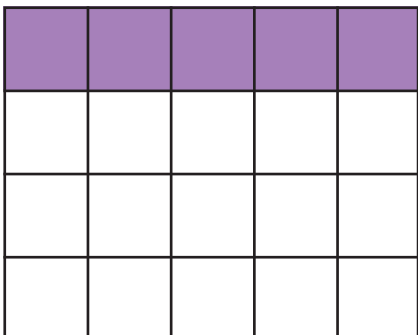
3  $7 + 7 =$

14

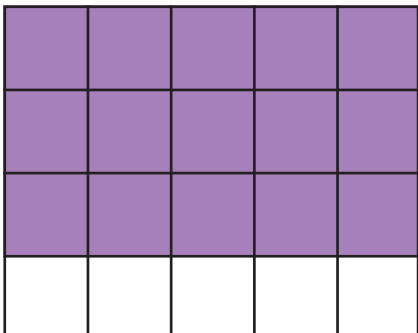
4 Shade half.



5 Shade a quarter.



6 Shade three-quarters.



7  $5 \times 5 =$

25

8  $10 \div 2 =$

5

9  $15 \div 5 =$

3

10  $7 \times 10 =$

70

### B ANSWER

1 Double 8 is

16

2  $\frac{1}{2}$  of 20 is

10

3 Double 4 is

8

4  $\frac{1}{2}$  of 12 is

6

5 A quarter of 12 is

3

6 Three-quarters of 12 is

9

7 5 multiplied by 10 is

50

8 5 multiplied by 5 is

25

9 10 divided by 5 is

2

10 35 divided by 5 is

7

### C ANSWER

What is

1  $\frac{1}{2}$  of 40?

20

2 a quarter of 40?

10

3 three-quarters of 40?

30

4 a quarter of 20?

5

5  $\frac{1}{2}$  of 18?

9

6 40 shared between 5?

8

7 double 8?

16

8 double 4 and add 2?

10

9  $\frac{1}{2}$  of 20?

10

10 double 7?

14

# Section 3 Session 10

## Session Focus

Doubles for all numbers to 10 and their corresponding halves  
Halves, quarters, three-quarters and one-third  
Multiplication and division

### A ANSWER

1 Double 6 is

12

2 Double 10 is

20

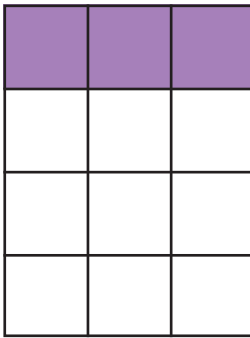
3  $\frac{1}{2}$  of 14 is

7

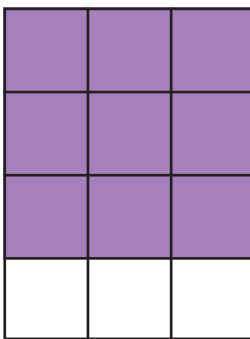
4 Half of 18 is

9

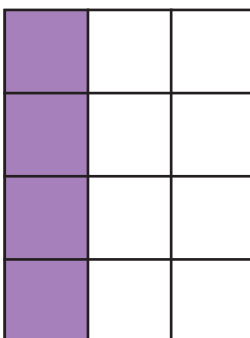
5 Shade a quarter.



6 Shade three-quarters.



7 Shade one-third.



8  $12 \div 2$

= 6

9  $40 \div 5$

= 8

10  $6 \times 5$

= 30

### B ANSWER

1 Double 10 is

20

2  $\frac{1}{2}$  of 8 is

4

What is

3  $\frac{1}{2}$  of 24?

12

4 a quarter of 24?

6

5 three-quarters of 24?

18

6 25 divided by 5 equals

5

7  $\square \div 5 = 10$

50

8  $\square \div 2 = 9$

18

9  $\square \times 5 = 35$

7

10  $6 \times \square = 60$

10

### C ANSWER

What is

1 double 8?

16

2 one-third of 30?

10

3 5 multiplied by 7?

35

4 80 divided by 8?

10

5 8 multiplied by 5?

40

6  $\frac{1}{2}$  of 16?

8

7 one-third of 15?

5

8 three-quarters of 16?

12

9 10 times 8p?

80p

10 How much is half of 8 times 5p?

20p

# Section 3 Check-up 3

**Session Focus**  
 Multiplication and division, Multiplication tables for 2, 5 and 10  
 Doubles for all numbers to 10 and their corresponding halves  
 Halves, quarters, three-quarters and one-third

## 3 ANSWER

- 1  $4 \times 5 = 20$
- 2  $20 \div 2 = 10$
- 3  $10 \times 10 = 100$
- 4  $6 \times 5 = 30$
- 5  $90 \div 10 = 9$
- 6  $7 \times 2 = 14$


What is

- 7 half of 20? 10
- 8 a quarter of 20? 5
- 9 three-quarters of 20? 15

What is

- 10 double 7? 14
- 11 double 9? 18
- 12 half of 14? 7
- 13 half of 12? 6

## ANSWER

- 14 double 4? 8
- 15  $\frac{1}{2}$  of 2? 1
- 16  $5 \times \square = 25$  5
- 17  $\square \times 5 = 45$  9
- 18  $\square \div 2 = 9$  18
- 19  $\square \div 10 = 9$  90
- 20  $3 \times \square = 15$  5
- 21 18 shared between 2 is 9
- 22 6 eggs at 10p each cost 60p

What is

- 23 one-third of 60p? 20p
- 24 double 7? 14
- 25 one-third of 12? 4
- 26 a quarter of 20? 5
- 27 three-quarters of 20? 15
- 28 30 shared between 5? 6
- 29 a quarter of 12? 3
- 30 A quarter of a number is 4. What is the number? 16

# Check-up 4

## Measurement, Geometry and Statistics

### Session Focus

Lists and tables, Sorting objects  
 Measuring lengths, Reading scales  
 Tell the time to the nearest five minutes  
 3-D shapes, 2-D shapes  
 Follow instructions to mark a position on a grid

### A ANSWER

1 Sort these names into the table.

Samir	Lexi	Sam
Eve	Jacob	Isha
Ethan	Delip	Luke
Mia	Tom	Molly

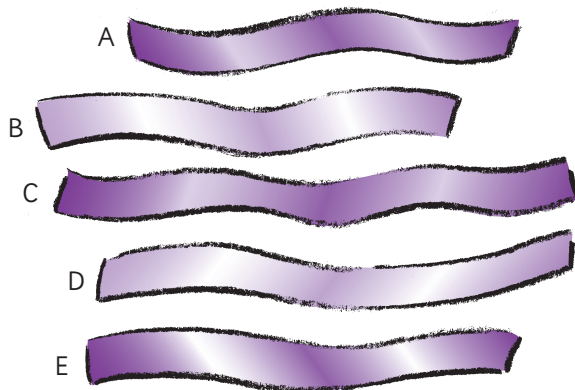
Names with 3 letters	Names with 4 letters	Names with 5 letters
Eve	Lexi	Molly
Mia	Isha	Ethan
Tom	Luke	Delip
Sam		Jacob
		Samir

2 Which set of names has most in the table?

**Names with 5 letters**

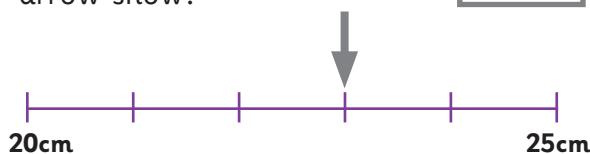
3 Estimate which is the longest.

**C**

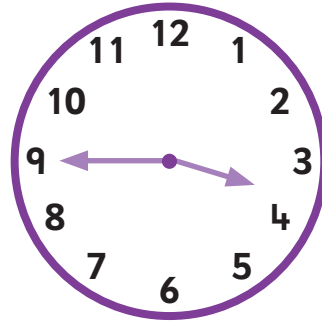


4 What length does the arrow show?

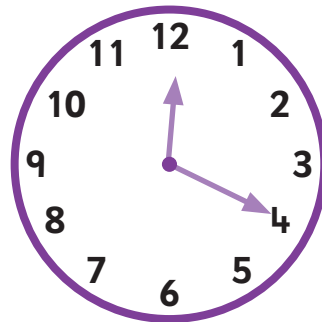
**23 cm**



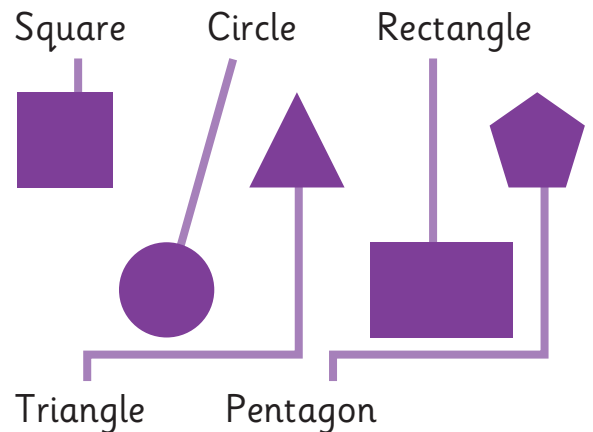
5 Draw hands to show quarter to 4.



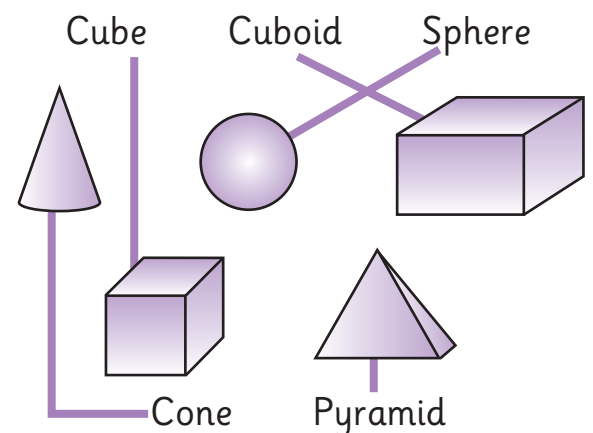
6 Draw hands to show twenty past 12.

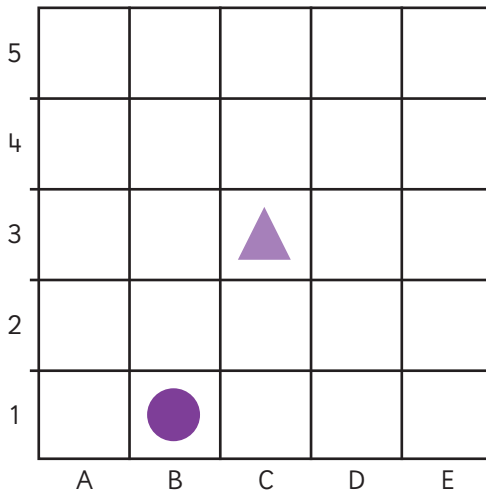


7 Join the 2-D shapes to their names.



8 Join the 3-D shapes to their names.





Put an arrow at

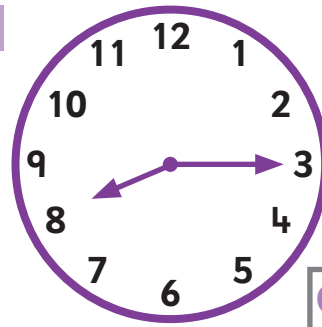
**3** 37cm.

**4** 32cm.



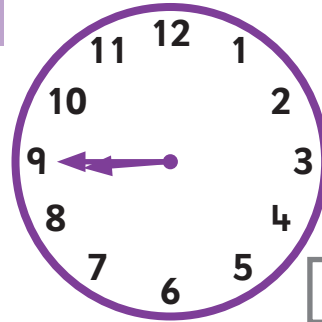
What time does the clock show?

**5**



Quarter past 8

**6**



Quarter to 9

Write the name of a shape with

**7** five sides.

pentagon

**8** six faces that are all the same size.

cube

**9** Draw a triangle at **C3**.

**10** Where is the circle?

**B1**

**B**

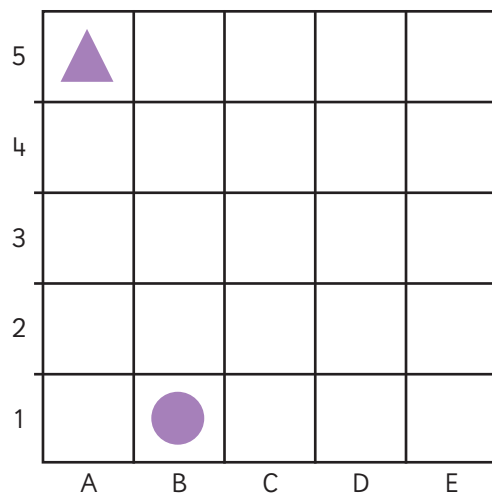
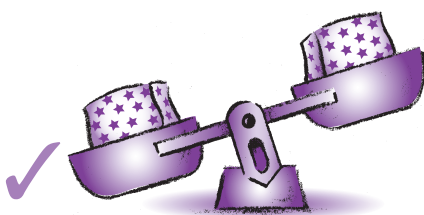
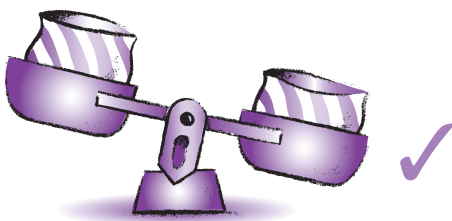
ANSWER

**1** Write in each column the names of three people you know.

Choice of names may vary.

Names with 3 letters	Names with 4 letters	Names with 5 letters
Eve	Lexi	Molly
Mia	Isha	Ethan
Tom	Luke	Delip

**2** Tick the side of the balance that is heavier.



**9** Put a circle in the square **B1**.

**10** Put a triangle in the square **A5**.

Plain crisps	Salt and vinegar crisps	Cheese and onion crisps	Prawn cocktail crisps
Max	Jay	Adam	Delip
Zoe	Jamie	Heidi	Anna
Amy	Lucy	Ollie	Sofia
	Kian	Hannah	Rose
	Ravi	Theo	
	Archie		

How many

1 children like plain crisps best?

3

2 more children like salt and vinegar crisps than prawn cocktail crisps?

2

3 Write a title for the table.

E.g. Our favourite crisps

What is

4 half of 10m?

5m

5 half of 6l?

3l

6 Put an arrow where 47cm is.

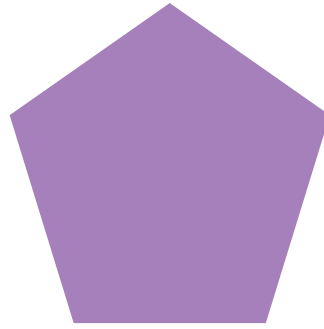


7 If you leave home at 5 o'clock and your journey ends at 9 o'clock, how long is your journey?

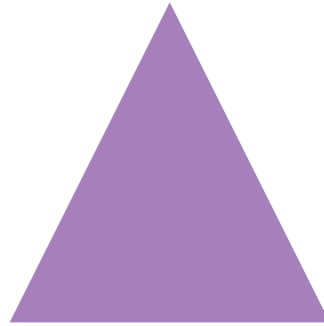
4 hours

Draw a

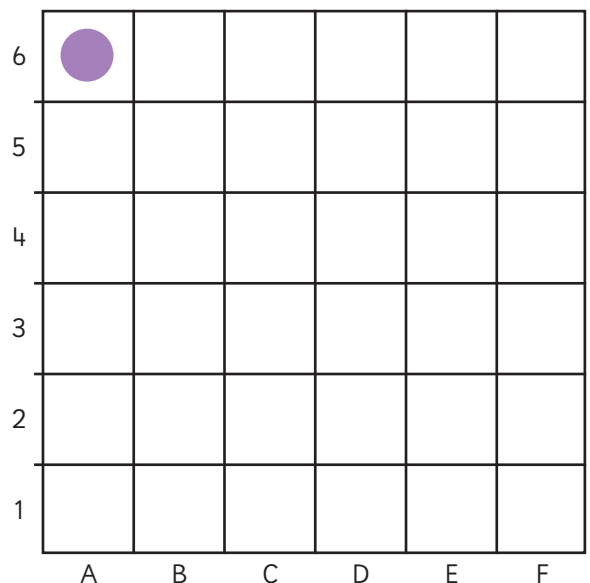
8 pentagon.



9 triangle.



10 Put a circle in the square A6.



# Just Facts

Session Focus  
Addition facts to 10

$$\begin{array}{l} 0 + 0 = \boxed{0} \\ 1 + 0 = \boxed{1} \\ 2 + 0 = \boxed{2} \\ 3 + 0 = \boxed{3} \\ 4 + 0 = \boxed{4} \\ 5 + 0 = \boxed{5} \\ 6 + 0 = \boxed{6} \\ 7 + 0 = \boxed{7} \\ 8 + 0 = \boxed{8} \\ 9 + 0 = \boxed{9} \\ 10 + 0 = \boxed{10} \end{array}$$

$$\begin{array}{l} 0 + 1 = \boxed{1} \\ 1 + 1 = \boxed{2} \\ 2 + 1 = \boxed{3} \\ 3 + 1 = \boxed{4} \\ 4 + 1 = \boxed{5} \\ 5 + 1 = \boxed{6} \\ 6 + 1 = \boxed{7} \\ 7 + 1 = \boxed{8} \\ 8 + 1 = \boxed{9} \\ 9 + 1 = \boxed{10} \end{array}$$

$$\begin{array}{l} 0 + 2 = \boxed{2} \\ 1 + 2 = \boxed{3} \\ 2 + 2 = \boxed{4} \\ 3 + 2 = \boxed{5} \\ 4 + 2 = \boxed{6} \\ 5 + 2 = \boxed{7} \\ 6 + 2 = \boxed{8} \\ 7 + 2 = \boxed{9} \\ 8 + 2 = \boxed{10} \end{array}$$

$$\begin{array}{l} 0 + 3 = \boxed{3} \\ 1 + 3 = \boxed{4} \\ 2 + 3 = \boxed{5} \\ 3 + 3 = \boxed{6} \\ 4 + 3 = \boxed{7} \\ 5 + 3 = \boxed{8} \\ 6 + 3 = \boxed{9} \\ 7 + 3 = \boxed{10} \end{array}$$

$$\begin{array}{l} 0 + 4 = \boxed{4} \\ 1 + 4 = \boxed{5} \\ 2 + 4 = \boxed{6} \\ 3 + 4 = \boxed{7} \\ 4 + 4 = \boxed{8} \\ 5 + 4 = \boxed{9} \\ 6 + 4 = \boxed{10} \end{array}$$

$$\begin{array}{l} 0 + 5 = \boxed{5} \\ 1 + 5 = \boxed{6} \\ 2 + 5 = \boxed{7} \\ 3 + 5 = \boxed{8} \\ 4 + 5 = \boxed{9} \\ 5 + 5 = \boxed{10} \end{array}$$

$$\begin{array}{l} 0 + 6 = \boxed{6} \\ 1 + 6 = \boxed{7} \\ 2 + 6 = \boxed{8} \\ 3 + 6 = \boxed{9} \\ 4 + 6 = \boxed{10} \end{array}$$

$$\begin{array}{l} 0 + 7 = \boxed{7} \\ 1 + 7 = \boxed{8} \\ 2 + 7 = \boxed{9} \\ 3 + 7 = \boxed{10} \end{array}$$

$$\begin{array}{l} 0 + 8 = \boxed{8} \\ 1 + 8 = \boxed{9} \\ 2 + 8 = \boxed{10} \end{array}$$

$$\begin{array}{l} 0 + 9 = \boxed{9} \\ 1 + 9 = \boxed{10} \end{array}$$

$$0 + 10 = \boxed{10}$$



# Just Facts

Session Focus  
Subtraction facts to 10

$1 - 0 =$ <input type="text" value="1"/>	$1 - 1 =$ <input type="text" value="0"/>	$2 - 2 =$ <input type="text" value="0"/>	$3 - 3 =$ <input type="text" value="0"/>
$2 - 0 =$ <input type="text" value="2"/>	$2 - 1 =$ <input type="text" value="1"/>	$3 - 2 =$ <input type="text" value="1"/>	$4 - 3 =$ <input type="text" value="1"/>
$3 - 0 =$ <input type="text" value="3"/>	$3 - 1 =$ <input type="text" value="2"/>	$4 - 2 =$ <input type="text" value="2"/>	$5 - 3 =$ <input type="text" value="2"/>
$4 - 0 =$ <input type="text" value="4"/>	$4 - 1 =$ <input type="text" value="3"/>	$5 - 2 =$ <input type="text" value="3"/>	$6 - 3 =$ <input type="text" value="3"/>
$5 - 0 =$ <input type="text" value="5"/>	$5 - 1 =$ <input type="text" value="4"/>	$6 - 2 =$ <input type="text" value="4"/>	$7 - 3 =$ <input type="text" value="4"/>
$6 - 0 =$ <input type="text" value="6"/>	$6 - 1 =$ <input type="text" value="5"/>	$7 - 2 =$ <input type="text" value="5"/>	$8 - 3 =$ <input type="text" value="5"/>
$7 - 0 =$ <input type="text" value="7"/>	$7 - 1 =$ <input type="text" value="6"/>	$8 - 2 =$ <input type="text" value="6"/>	$9 - 3 =$ <input type="text" value="6"/>
$8 - 0 =$ <input type="text" value="8"/>	$8 - 1 =$ <input type="text" value="7"/>	$9 - 2 =$ <input type="text" value="7"/>	$10 - 3 =$ <input type="text" value="7"/>
$9 - 0 =$ <input type="text" value="9"/>	$9 - 1 =$ <input type="text" value="8"/>	$10 - 2 =$ <input type="text" value="8"/>	
$10 - 0 =$ <input type="text" value="10"/>	$10 - 1 =$ <input type="text" value="9"/>		

$4 - 4 =$ <input type="text" value="0"/>	$5 - 5 =$ <input type="text" value="0"/>	$6 - 6 =$ <input type="text" value="0"/>	$7 - 7 =$ <input type="text" value="0"/>
$5 - 4 =$ <input type="text" value="1"/>	$6 - 5 =$ <input type="text" value="1"/>	$7 - 6 =$ <input type="text" value="1"/>	$8 - 7 =$ <input type="text" value="1"/>
$6 - 4 =$ <input type="text" value="2"/>	$7 - 5 =$ <input type="text" value="2"/>	$8 - 6 =$ <input type="text" value="2"/>	$9 - 7 =$ <input type="text" value="2"/>
$7 - 4 =$ <input type="text" value="3"/>	$8 - 5 =$ <input type="text" value="3"/>	$9 - 6 =$ <input type="text" value="3"/>	$10 - 7 =$ <input type="text" value="3"/>
$8 - 4 =$ <input type="text" value="4"/>	$9 - 5 =$ <input type="text" value="4"/>	$10 - 6 =$ <input type="text" value="4"/>	
$9 - 4 =$ <input type="text" value="5"/>	$10 - 5 =$ <input type="text" value="5"/>		
$10 - 4 =$ <input type="text" value="6"/>			

$8 - 8 =$ <input type="text" value="0"/>	$9 - 9 =$ <input type="text" value="0"/>	$10 - 10 =$ <input type="text" value="0"/>
$9 - 8 =$ <input type="text" value="1"/>	$10 - 9 =$ <input type="text" value="1"/>	
$10 - 8 =$ <input type="text" value="2"/>		

# Just Facts

Session Focus  
Doubles and halves to 10

$$\begin{array}{l} 1 + 1 = \boxed{2} \\ 2 + 2 = \boxed{4} \\ 3 + 3 = \boxed{6} \\ 4 + 4 = \boxed{8} \\ 5 + 5 = \boxed{10} \\ 6 + 6 = \boxed{12} \\ 7 + 7 = \boxed{14} \\ 8 + 8 = \boxed{16} \\ 9 + 9 = \boxed{18} \\ 10 + 10 = \boxed{20} \end{array}$$

$$\begin{array}{l} 2 - 1 = \boxed{1} \\ 4 - 2 = \boxed{2} \\ 6 - 3 = \boxed{3} \\ 8 - 4 = \boxed{4} \\ 10 - 5 = \boxed{5} \\ 12 - 6 = \boxed{6} \\ 14 - 7 = \boxed{7} \\ 16 - 8 = \boxed{8} \\ 18 - 9 = \boxed{9} \\ 20 - 10 = \boxed{10} \end{array}$$

$$\begin{array}{l} \frac{1}{2} \text{ of } 2 = \boxed{1} \\ \frac{1}{2} \text{ of } 4 = \boxed{2} \\ \frac{1}{2} \text{ of } 6 = \boxed{3} \\ \frac{1}{2} \text{ of } 8 = \boxed{4} \\ \frac{1}{2} \text{ of } 10 = \boxed{5} \\ \frac{1}{2} \text{ of } 12 = \boxed{6} \\ \frac{1}{2} \text{ of } 14 = \boxed{7} \\ \frac{1}{2} \text{ of } 16 = \boxed{8} \\ \frac{1}{2} \text{ of } 18 = \boxed{9} \\ \frac{1}{2} \text{ of } 20 = \boxed{10} \end{array}$$

# Just Facts

Session Focus  
Multiplication facts for 2s, 5s and 10s

## Multiplication facts for 2s

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

## Multiplication facts for 5s

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

## Multiplication facts for 10s

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

# Just Facts

Session Focus  
Division facts for 2s, 5s and 10s

## Division facts for 2s

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

## Division facts for 5s

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

## Division facts for 10s

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