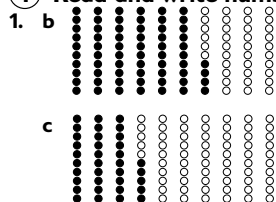


## 1 Read and write numbers to 100 pp2-3

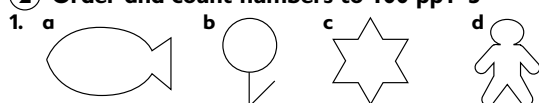


2. a 72 b 45 c 58  
3. a 5 tens and 3 units b 2 tens and 8 units  
c 9 tens and 7 units d 3 tens and 6 units

Challenge yourself

- a fifty-three b forty-nine c eighty-one d 26 e 93  
f 55 g 86

## 2 Order and count numbers to 100 pp4-5



2. a 64 b 48 c 87 d 19, 21 e 29, 31  
3. a 45 b 21 c 73 d 11 e 29 f 46  
4. a 28 b 22 c 57 d 77 e 32 f 55

Challenge yourself

- b 39 or 40 c 20, 21, 22 or 23 d 30, 31 or 32  
e 32 f 69, 70 or 71 g 98 h 78, 79, 80 or 81

## 3 Tens and units pp6-7

1. a 6 tens and 3 units b 2 tens and 8 units  
c 5 tens and 1 unit  
2. b 4 tens and 8 units c 5 tens and 7 units  
d 8 tens and 9 units  
3. 47 four tens and seven units 72 seven tens and two units  
65 six tens and five units 93 nine tens and three units  
22 two tens and two units 59 five tens and nine units

Challenge yourself

- a 90 b 3 c 17 d 6 e 30 f 42

## 4 Odd and even numbers pp8-9

1. b odd c odd  
2. b 8 8 even c 10 11 odd  
d 14 14 even e 12 13 odd

Challenge yourself

a / b

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

☐ odd ☐ even

## 5 Subtraction 1 pp10-11

1. a 7 b  $11 - 7 = 4$  c  $17 - 6 = 11$  d  $13 - 8 = 5$   
e  $17 - 4 = 13$   
2. a 7 b 10 c 12 d 9  
3. a 1 b 20 c 8 d 10  
4. a 14 b 23 c 19 d 26 e 15

The numbers stay the same.

Challenge yourself

- a 6p b 12p c 16p d 6p e 16p f 23p

## 6 Add and subtract 9 pp12-13

1. a 18 b 22 c 31 d 36 e 25 f 13  
2. b 26 c 43 d 31 e 85 f 68 g 90

A2

3. b 28 c 20 d 58 e 73 f 32 g 81

Challenge yourself

- b + + - c - - + d - - +  
e + + - f - - +

## 7 10 times table pp14-15

1. b 30 c 70 d 40 e 10  
2. 10 20 30 40 50 60 70 80 90 100  
3. a 60 b 80 c 3 d 5 e 10 f 10  
4. a 30 50 70 90 b 20 40 50 60

Challenge yourself

- a 60 b 40 c 30

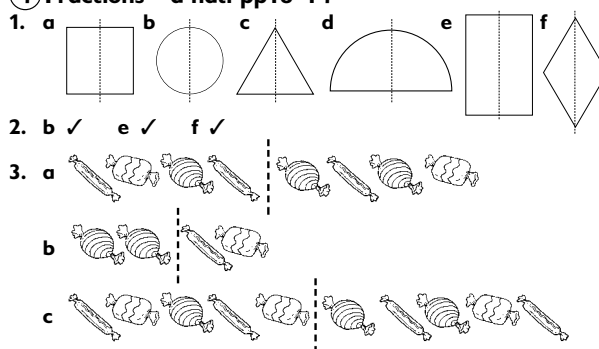
## 8 Measuring in centimetres and metres pp16-17

1. b 6 cm c 12 cm d 8 cm e  $13\frac{1}{2}$  cm f 3 cm  
2. a 100 cm b m c m

Challenge yourself

- a cm b cm c m d cm e m f cm

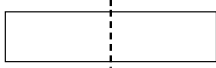
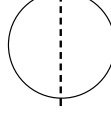
## 9 Fractions - a half pp18-19



Challenge yourself

- a 4 b 7 c 6 d 9 e 3 f 10

## How am I doing? pp20-21

1. a 6 tens and 7 units b 2 tens and 9 units  
c 3 tens and 6 units d 4 tens and 2 units  
2. a 31 34 b 73 75  
3. a 33 b 87  
4. a even b odd  
5. a 11 b 12  
6. a 32 b 47 c 47 d 32  
7. a 20 b 70 c 30 d 80  
8. a cm b m c m d cm  
9.  

## 10 More than, less than pp22-23

1. b 80 c 66 d 82  
2. a 17 b 88 c 24 d 98  
3. b 51 c 35  
4. a 52 b 36 c 75 d 57  
5. a 43 53 73 83 b 66 56 36 26 16  
6. b 66 c 78 d 28

Challenge yourself

- a 56p b 68p

## 11 Number sentences using 20 pp24-25

1. b 14 c 11 d 8 e 6 f 19 g 15 h 9 i 7  
j 16  
2. a X b X c ✓ d X e X f ✓

2. a  $\times$  b  $\times$  c  $\checkmark$  d  $\times$  e  $\times$  f  $\checkmark$   
 3. 6 14 10 10 18 2 12 8  
 3 17 20 0 11 9 19 1  
 5 15

Challenge yourself

- b  $20 - 8 = 12$  or  $20 - 12 = 8$   
 c  $20 - 17 = 3$  or  $20 - 3 = 17$   
 d  $20 - 5 = 15$  or  $20 - 15 = 5$   
 e  $20 - 11 = 9$  or  $20 - 9 = 11$

## 12 Adding more than two numbers pp26-27

1. b  $6 + 4 + 5 = 15$  c  $5 + 3 + 6 = 14$   
 2. a 15 b 19 c 20 d 18 e 18

Challenge yourself

- a 16 b 16 c Answers will vary  
 d 16 e Answers will vary

## 13 Add and subtract 11 pp28-29

1. a 28 b 23 c 37 d 33  
 2. b 30 c 38 d 43 e 65 f 73 g 98  
 3. b 21 c 38 d 41 e 75 f 48 g 67

Challenge yourself

- b - - - c - - - d + + +  
 e + + + f - - -

## 14 2 times table pp30-31

1. a 12 b 4 c 14 d 2 e 18 f 6 g 10  
 h 8 i 16  
 2. 2 4 6 8 10 12 14 16 18 20  
 3. a 8 b 6 c 1 d 6 e 2 f 2  
 4. a 6 12 18 b 2 6 10 14 18

Challenge yourself

- a 6 b 18 c 12

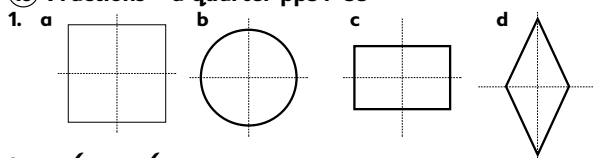
## 15 Straight lines pp32-33

2. a 10 cm b 13 cm c 7 cm d 2 cm e 7 cm

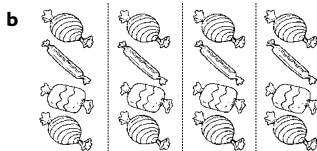
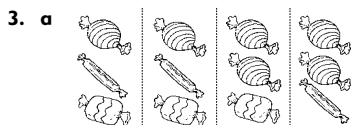
Challenge yourself

- a 8 cm b 12 cm c 4 cm d 14 cm e 7 cm f 1 cm

## 16 Fractions - a quarter pp34-35



2. a  $\checkmark$  c  $\checkmark$

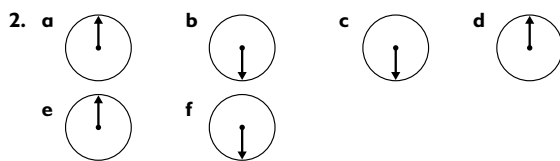


Challenge yourself

- a 3 b 4 c 1 d 5

## 17 Time - o'clock and half past pp36-37

1. a 8 o'clock b half past 10 c 3 o'clock  
 d half past 7 e half past 1 f 11 o'clock



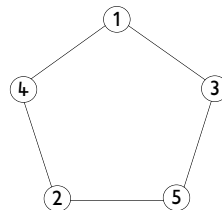
3. a half past 7 b 6 o'clock

Challenge yourself

- a 4 o'clock b half past 3 c half past 4

## 18 Solving problems pp38-39

1. Answers will vary. Children may decide to use each number and symbol only once in each calculation, or to omit some numbers or symbols from some (or all) calculations.  
 2.

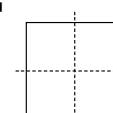
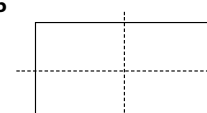


3. Answers will vary.

Challenge yourself

- a  $1(6 + 6)$   
 b  $6(1 + 5 + 6, 2 + 4 + 6, 2 + 5 + 5, 3 + 3 + 6, 3 + 4 + 5, 4 + 4 + 4)$

## How am I doing? pp40-41

1. a 67 b 13 c 76 d 11  
 2. a 13 b 5  
 3. a 16 b 17  
 4. a 23 b 59  
 5. a 6 b 16 c 12 d 18  
 6. a 8 cm b 13 cm c 3 cm  
 7. a  b 

8. a half past 7 b half past 1 c half past 4

9. 11 ways:

10p  
 $5p + 5p$   
 $5p + 2p + 2p + 1p$   
 $5p + 2p + 1p + 1p + 1p$   
 $5p + 1p + 1p + 1p + 1p + 1p$   
 $2p + 2p + 2p + 2p + 2p$   
 $2p + 2p + 2p + 2p + 1p + 1p$   
 $2p + 2p + 2p + 1p + 1p + 1p + 1p$   
 $2p + 2p + 1p + 1p + 1p + 1p + 1p + 1p$   
 $2p + 1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p$   
 $1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p$

## 19 More than, less than, in between pp42-43

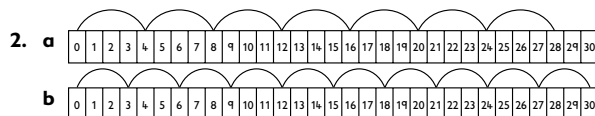
1. a 32 b 30 c 44 d 78  
 2. b 25 c 37 d 37  
 3. a 39 b 39 c 38 d 40  
 4. a 36 b 68 c 24 d 11  
 5. a 72 b 28 c 55 d 87  
 6. a 58 59 b 79 80 c 29 30 d 17 18 e 51 52  
 f 92 93  
 7. a 15 b 25

Challenge yourself

a 20p b 29 cm c 12p

## 20 Counting in steps pp44-45

1. a 3 b 2 b 4



3. a 20 24 28 b 20 25 30 35  
c 8 10 12 14 d 12 15 18 21
4. (3), (6), 9, 12, 15, 18, 21, 24 should be coloured blue.  
The coloured numbers are in two columns.

Challenge yourself

a 8 12 20 b 3 9 15 c 4 6 10 12

## 21 Number sequences pp46-47

1. a The numbers go up 3 each time.  
b The numbers go down 5 each time.  
c The numbers go up 2 each time.  
d The numbers go down 6 each time.
2. a 16 14 12 10 8  
b 10 13 16 19 22  
c 25 31 37 43 49  
d 20 16 12 8 4
3. 24 27

Challenge yourself

Answers will vary

## 22 Rounding to the nearest 10 pp48-49

1. b 20 c 10 d 20 e 30 f 20 g 10  
2. a 10 b 20 c 10 d 20 e 30 f 20 g 20

Challenge yourself

a 10 b 20

## 23 Subtraction 2 pp50-51

1. a 14 b 3 c 10 d 9 e 14 f 28 g 17  
h 33
2. a 5 b 10 c 7 d 6 e 27 f 15 g 6  
h 3
3. a 11 b 6 c 27 d 17 e 6 f 7 g 4

Challenge yourself

a 33

b 21

## 24 5 times table pp52-53

1. a 30 b 45 c 10 d 25 e 50 f 5 g 35  
h 20
2. 5 10 15 20 25 30 35 40 45 50
3. a 30 b 6 c 10 d 5 e 8 f 3
4. a 15 20 30 40 45 b 5 15 25 30 40 50

Challenge yourself

a 30 b 40 c 20

## 25 Division pp54-55

1. a 4 b 4  
2. b 3 c 2 d 4

Challenge yourself

3 each

## 26 Division facts pp56-57

1. b  $2 \times 2 = 4$   $4 \div 2 = 2$   
c  $3 \times 2 = 6$   $6 \div 2 = 3$   
d  $4 \times 2 = 8$   $8 \div 2 = 4$   
e  $5 \times 2 = 10$   $10 \div 2 = 5$   
f  $6 \times 2 = 12$   $12 \div 2 = 6$   
g  $7 \times 2 = 14$   $14 \div 2 = 7$   
h  $8 \times 2 = 16$   $16 \div 2 = 8$   
i  $9 \times 2 = 18$   $18 \div 2 = 9$   
j  $10 \times 2 = 20$   $20 \div 2 = 10$
2. a 4 b 20 c 3 d 14 e 5 f 10 g 8 h 16

Challenge yourself

a 10, 10 b 5, 5 c 18, 2 d 35, 35 e 10, 6 f 5, 45

## 27 Money pp58-59

1. b 5p 2p c 10p 5p d 10p 1p  
e 5p 2p 1p f 10p 2p 1p
2. b 50p 10p c 20p 5p d 50p 5p  
e 20p 1p f 20p 10p 2p





Challenge yourself

a 4p

b 13p

c £14

## 28 Time – quarter to and quarter past pp60-61

1. b quarter past 4  
c quarter past 10  
d quarter past 1
2. b quarter to 5  
c quarter to 12  
d quarter to 3
3. a  b  c  d 

Challenge yourself

a quarter past 3 b 4 c quarter to 5

## How am I doing? pp62-63

1. a 72 b 54  
2. a 12 15 18 b 15 17 19  
3. The numbers go down by 4 each time.  
4. a 20 b 30  
5. a 8 b 16 c 6 d 17  
6. a 25 b 35 c 15 d 45  
7. 3  
8. a 4 b 9  
9. 10p 10p 1p  
10. a quarter to 8 b quarter past 7