

More Mental Addition and Subtraction

PS Problem-solving questions

Challenge 1

- 1 a) $72 - 8 =$ _____ b) $127 - 9 =$ _____
 2 a) $210 - 50 =$ _____ b) $140 + 30 =$ _____

PS 3 Shelley has 99p and then finds another 24p in her bag.
 How much money does she have now?

£ _____ or _____ p

PS 4 Kamal spends 38p on sweets. How much change does he get
 from £1?

_____ p

PS 5 I have 265 football cards. I give 135 to my little brother.
 How many do I have left? _____

2 marks

2 marks

1 mark

1 mark

1 mark

Marks..... /7

Challenge 2

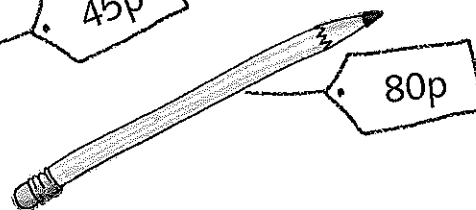
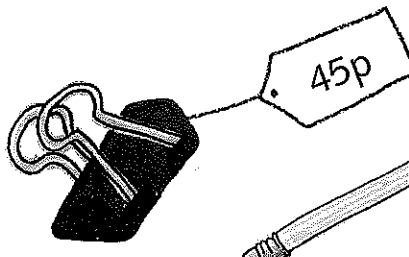
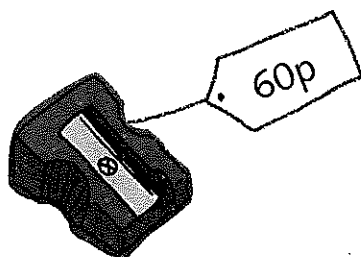
- 1 a) $2734 - 1300 =$ _____ b) $1800 + 143 =$ _____

PS 2 Greg spends £2.36 on sweets.

How much change does he get from £5? £ _____

- 3 a) $1900 - 30 - 180 =$ _____ b) $2400 + 850 =$ _____

PS 4 Leanne buys all the stationery supplies on her list below.



What is her change from £5? £ _____ or _____ p

2 marks

1 mark

2 marks

2 marks

Marks..... /7

More Mental Addition and Subtraction

Challenge 3

1 a) $4500 - 950 =$ _____

b) $8761 - 1000 =$ _____

2 $170 + 40 + 150 =$ _____

PS 3 Zamira spends 36p on sweets and 28p on a pencil. How much has she spent?

_____ p

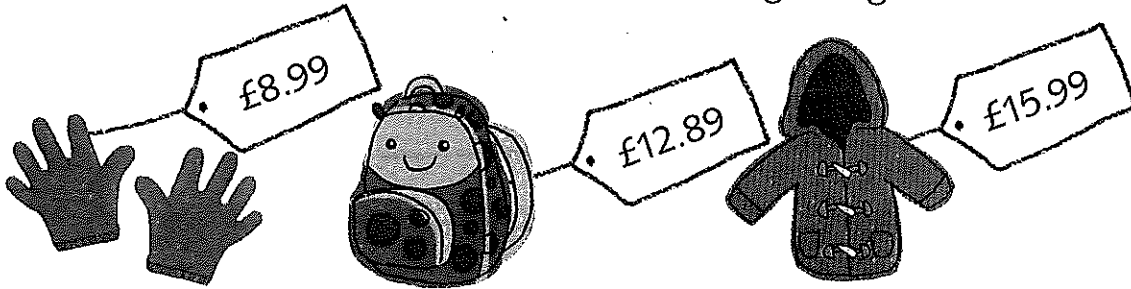
PS 4 Kelly celebrates her 21st birthday in 2019.

In what year was she born? _____

5 Fill in the missing numbers in the sequence.

132 68

6 How much did Sheila spend on a new coat, bag and gloves?



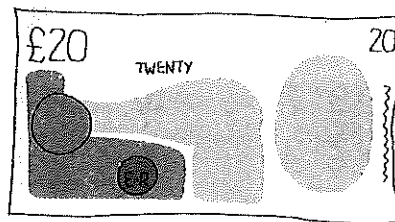
£ _____

7 What is the change from £100 for the following amounts?

a) £36.75 £ _____

b) £45.54 £ _____

c) £12.98 £ _____



2 marks



1 mark



1 mark



1 mark



3 marks



1 mark



3 marks

Marks..... /12

Total marks /26

How am I doing?

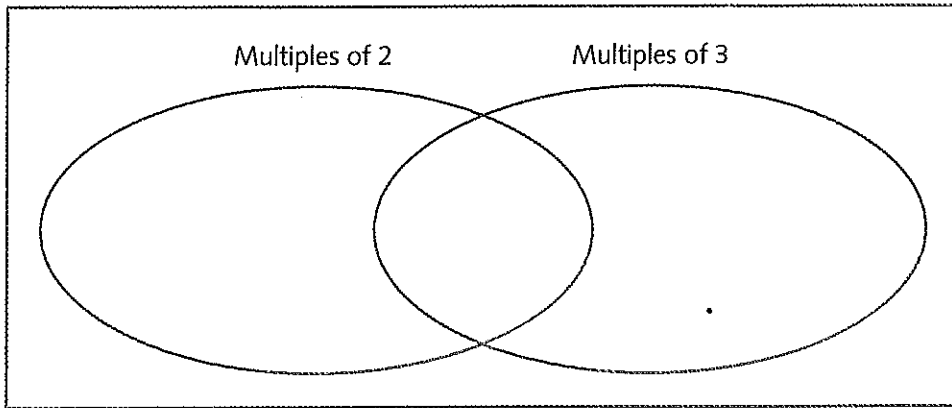


All Kinds of Numbers

PS Problem-solving questions

Challenge 1

1 Put the numbers 1 to 20 into the Venn diagram.



2 Write two division facts and two multiplication facts using **only** these three numbers.



3 Circle the numbers which are factors of 24.

3 5 7 8 6 4 9

4 Find a common multiple of 3 and 5. _____



4 marks



2 marks



2 marks



1 mark

Marks..... /9

Challenge 2

1 Circle the factors of 32.

3 14 8 17 5 12 4

2 What are the common factors of 24 and 36?

3 Find the lowest common multiple of 3, 4 and 6. _____



1 mark



3 marks



1 mark

Marks..... /5

All Kinds of Numbers

Challenge 3

1 Here is part of a multiplication grid. Fill in the missing numbers in the blank boxes.

×	6		8
5		35	
7		49	
	54		

PS 2 244 is a multiple of 4 **but not** a multiple of 3.

267 is a multiple of 3 **but not** a multiple of 4.

Find a number between 244 and 267 that is a multiple of both 3 and 4.

PS 3 I think of two odd numbers between 30 and 40. They have the common factor 3. What are my numbers?

_____ and _____

4 What is the lowest common multiple of 3, 5 and 7?

5 1 and 136 are two factors of 136. Find another two factors of 136.



4 marks



1 mark



1 mark



1 mark



1 mark

Marks..... /8

Total marks /22

How am I doing?



Multiplying and Dividing

PS Problem-solving questions

Challenge 1

- 1 a) $234 \times 10 =$ _____
 b) $316 \times 100 =$ _____
 c) $1567 \div 1000 =$ _____

2 Fill in the missing numbers.

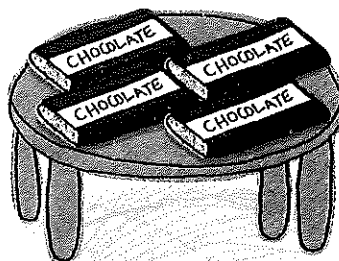
a) $\times 30 = 300$

b) $1500 \div$ $= 15$

c) $\times 170 = 1700$

- PS 3 Gina buys four chocolate bars that cost 25p each. How much does she pay altogether?

£ _____ or _____ p



3 marks



3 marks



1 mark

Marks..... /7

Challenge 2

1 Fill in the missing numbers.

a) $\times 1000 = 356$

b) $245.6 \div$ $= 0.2456$

c) $\times 100 = 197.8$

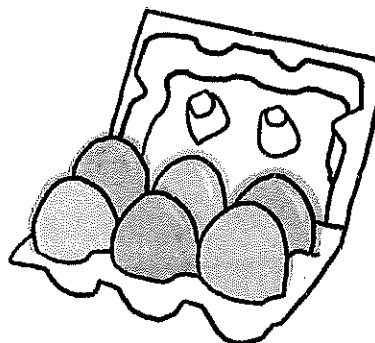
2 a) $140 \div 70 =$ _____

b) $3600 \div 6 =$ _____

c) $24 \times 200 =$ _____

- PS 3 Larry is filling egg boxes with six eggs in each. If he has 84 eggs, how many boxes will he fill?

_____ boxes



3 marks



3 marks



1 mark

Marks..... /7

Multiplying and Dividing

Challenge 3

- 1 a) $456.2 \div 100 =$ _____
 b) $3.16 \times 100 =$ _____
 c) $18.37 \div 1000 =$ _____

3 marks

2 Here are five cards. Use four of them to complete the statements.



- a) $3650 \div \square = \square$
 b) $\square \times \square = 3650$

2 marks

PS 3 Lulu gets paid £3.50 to wash a car.

If she earns £28, how many cars has she washed? _____

1 mark

PS 4 Karl has £38 to spend. If packs of football cards cost £4.25, how many can he buy?

1 mark

PS 5 Each week Maya gets £3.25 pocket money and her sister, Jen, gets £2.50. After two weeks the girls put all their money together and buy two equally priced presents for their mum.

How much does each present cost? £ _____

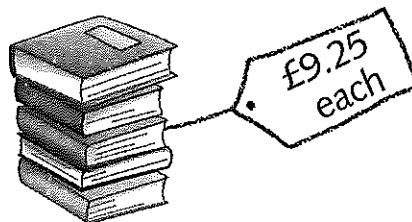
1 mark

6 $2 + 3 \times (6 - 2) =$ _____

1 mark

7 Bill buys these five books.
 How much does he spend altogether?

£ _____



1 mark

Marks..... /10

Total marks /24

How am I doing?



Short and Long Division

PS Problem-solving questions

Challenge 1

1 a) $7 \overline{) 105}$

b) $6 \overline{) 288}$

2 marks

PS 2 Phil, Carrie and Zac share a bag of 126 sweets. How many sweets do the children get each?

1 mark

PS 3 Mrs Sprint is organising a football tournament. She has 120 children on her list. If each team has eight children, how many teams will she be able to make?

1 mark

PS 4 Jill and Holly put their pocket money together to buy their mum some flowers and chocolates on Mother's Day. How much do the girls pay each if they share the cost equally?



£ _____

1 mark

Marks..... /5

Challenge 2

1 a) $9 \overline{) 162}$

b) $17 \overline{) 374}$

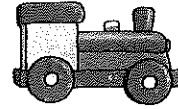
c) $11 \overline{) 325}$

3 marks

Short and Long Division

- 2 Look at the railway season ticket.
How much does each journey cost?

Railway Season Tickets
18 journeys only £396!



£ _____



1 mark

- PS 3 Amari is packing crates of water bottles for sports day.
Each crate holds 24 water bottles.

How many crates does she need for 768 bottles?



1 mark

- PS 4 Five friends equally split the cost of dinner.
The bill comes to £78.75.

How much do they each pay?

£ _____



1 mark

Marks..... /6

Challenge 3

1 a)

$$18 \overline{) 64.8}$$

b)

$$12 \overline{) 1235}$$



2 marks

- PS 2 Farmer Biggs needs to buy
some animals for his farm:



If he has £930 to split **equally** between
sheep and cows, how many of each can he buy?

Sheep: _____

Cows: _____



2 marks

Marks..... /4

Total marks /15

How am I doing?

