

Written Short and Long Division

PS Problem-solving questions

Challenge 1

1 a) $6 \overline{)126}$ b) $9 \overline{)144}$ c) $4 \overline{)32.8}$

3 marks

2 Akela needs to organise 330 scouts into 15 groups for camp. How many scouts are in each group? _____ scouts

1 mark

PS 3 Skylar, Jessie and Walter share 147 marbles between them. How many marbles do they get each? _____ marbles

1 mark

PS 4 Mr Fixit, the builder, is putting screws into boxes. If every box holds 8 screws, how many boxes will Mr Fixit need for 288 screws? _____ boxes

1 mark

PS 5 I tidy the library shelves. I put 238 books onto 17 shelves. How many books are on each shelf? _____ books

1 mark


Marks..... /7

Challenge 2

1 a) $16 \overline{)192}$ b) $25 \overline{)425}$ c) $5 \overline{)71.5}$

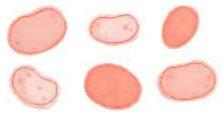
3 marks

PS 2 Here are some prices at the supermarket.

Carrots

£6.40 per box of 8

Tomatoes

£3.30 per box of 15

Potatoes

£4.16 per box of 16

- a) How much is one carrot? _____ p
b) How much is one tomato? _____ p
c) How much is one potato? _____ p

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d) Five friends buy a box of carrots between them. How much do they each pay? £_____

4 marks

PS 3 Jeremy spends £7.20 on party bag presents. If a present costs 45p, how many did he buy? _____ presents

1 mark

PS 4 Five friends hire a rowing boat for a day and split the cost equally. How much do they each pay? £_____

Rowing boats

£35.75 per day

1 mark

Marks..... /9

Challenge 3

PS 1 The Roberts family need to buy some trees for their forestry business.

Beech tree

£4.50 each

Apple tree

£7 each

Pine tree

£3.50 each

- a) If they spend £76.50 on beech trees, how many did they buy? _____ beech trees
b) If they have £98 to split equally between apple and pine trees, how many of each can they buy? _____ apple trees _____ pine trees
c) New trees are delivered in lorry loads of 400. If the Roberts family buy 9600 trees, how many lorry loads will be delivered? _____ lorry loads
d) One lorry load of new trees costs £1312. How much does one new tree cost? £_____

5 marks

Marks..... /5

Total marks /21

How am I doing?

