

Access Level 2 Four Functions

Use the method that you are familiar with to complete these subtraction examples. My answers are at the end of this worksheet.

Questions: Place notation

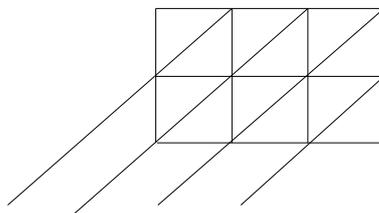
- 1) What is the 6 worth in 18 642?
- 2) What is the *largest* number you can make with the digits 0, 9, 7, 4, 6 ?
- 3) Write fourteen thousand and twenty three as a number
- 4) What is the *smallest* number you can make using the digits 4, 8, 2, 1, 7 ?
- 5) The population of the UK was estimated to be 60 943 912 in July 2008. What is the largest value that the digit 9 has in this number?

Questions: Subtraction

- 6) Find $193 - 52$
- 7) What is three hundred and seventy two less two hundred and sixty one?
- 8) Calculate $1760 - 1545$
- 9) What is $985 - 803$?
- 10) The population of the UK was estimated to be 60,943,912 in July 2008. The population of Scotland was estimated as 5,062,011. How many people live in the UK but not in Scotland?
- 11) Find $1760 - 1298$
- 12) Calculate $7000 - 23$ using any method you like. Can you write a set of instructions for someone else to use your method?

Questions: Multiplication

- 13) Work out 45×3
- 14) You have a box containing 15 packets of 12 board markers. How many board markers have you got?
- 15) Find 12×27 using any method
- 16) What is the product of 19 and 47?
- 17) Try calculating 34×47
- 18) What is 27×115 ?
- 19) Calculate 293×92
- 20) What is 15×250 ? Use any method
- 21) Just *once*, try using the lattice method to multiply 124 by 67



- 22) Try a larger multiplication like 592×328
- 23) Nigel has a carton of boxes of field dressings. The carton holds 48 boxes of dressings. Each box has 12 dressings in it. How many field dressings has Nigel got?
- 24) A page in a book has (about) 40 lines of type, and there are (about) 10 words on each line. If the book is 250 (roughly) pages long, how many words are there in the book?
- 25) Algernon earns £6.92 per hour as a checker of forms in a local bureaucratic office. He is on flexitime and decides to work 24 hours one week. Can you think up a way of calculating his pay for the week without using decimals as we have not covered those yet? Hint: work in pence

Questions: Division

- 26) Algernon has 336 free pens to distribute at the Higher Education Fair. There are seven stalls. How many pens should he put on each stall?
- 27) Divide 1760 by 8. (Google 'furlong' if you want to know where the numbers came from)
- 28) What is left over if you divide 96 by 5? (do you actually need to do the division to work out the answer?)
- 29) Find $239 \div 8$ and show the remainder
- 30) Calculate $350 \div 9$
- 31) Calculate $360 \div 9$
- 32) Calculate $360 \div 18$ Hint: can you work out how to get this answer from the answer to q31?
- 33) Find $500 \div 12$ and show the remainder as a fraction if you are feeling brave
- 34) Divide £12 750 by 8.
- 35) Divide 1440 by 15
- 36) Algernon earns £240 for a couple of days work. If he worked 14 hours, can you work out his hourly rate to the *nearest pound*?
- 37) What is $3443 \div 15$?
- 38) How many 7 litre tanks can you fill from a drum of oil that contains 400 litres? What is left over?
- 39) A room has a surface area of 67 m^2 . A litre of paint covers 12 m^2 . If you want to give the room two coats of paint, how many 1 litre tins do you need?
- 40) There are (roughly) 40 Czech crowns to the pound. Suppose you are changing 7500 crowns, how many whole pounds will you receive?

Answers

1) 600 2) 97 640 3) 14 023 4) 12 478 5) 900 000

6) 141 7) 111 8) 215 9) 182 10) 55 881 901

11) 462 12) 6 977 13) 135 14) 180 15) 324

16) 893 17) 1598 18) 3015 19) 26 956 20) 3 750

21) 8308 22) 194 176 23) 576 24) 100 000

25) 16 608 pence = £166.08 26) 48 27) 220

28) Remainder 1, and you don't need to do the divide because any number that ends in 5 can divide by 5, and 96 is 1 more than 95

29) 29 r 7 30) 38 r 8 31) 40 32) 20 33) 41 r 8

34) 1593 r 6 35) 96 36) £17 per hour, remainder 2

37) 229 r 8 38) 57 tanks, 1 litre left over

39) 11 litres remainder 1, so you need 12 whole tins

40) £187 with 20 crowns left over (or just call it £187.50)