

NUMBER

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Whole Number Revision

- | | | | |
|----|----------------|----|------------------|
| 1 | $234 + 28$ | 11 | 23×10 |
| 2 | $9 + 456 + 87$ | 12 | 3×100 |
| 3 | $67 - 32$ | 13 | 43×1000 |
| 4 | $83 - 39$ | 14 | 300×100 |
| 5 | $415 - 187$ | 15 | 203×10 |
| 6 | 37×6 | 16 | $200 \div 10$ |
| 7 | 43×7 | 17 | $3000 \div 1000$ |
| 8 | $45 \div 5$ | 18 | $2300 \div 100$ |
| 9 | $36 \div 3$ | 19 | $340 \div 10$ |
| 10 | $100 \div 20$ | 20 | $30000 \div 100$ |

General Number Revision

- Which of these numbers are odd? 23, 456, 4021, 8, 89, 98
- Which of these numbers are even? 256, 6, 1, 13, 1941, 808
- What is 3^2 ?
- What is the $\sqrt{25}$?
- Write three thousand seven hundred and eight in figures
- Write 4020 in words
- What is the place value of the 2 in these numbers?
a) 203 b) 3420 c) 302 d) 2003
- a) Is 12 a multiple of 3? b) Is 2 a factor of 20?



Number Activity Sheet

Addition

- 1) $34 + 45$
- 2) $76 + 8 + 234$
- 3) $32 + 18 + 7$
- 4) $46 + 1023 + 345$

Times

- 9) 4×5
- 10) 6×7
- 11) 12×2
- 12) 4×9

Subtraction

- 5) $16 - 9$
- 6) $57 - 32$
- 7) $53 - 28$
- 8) $126 - 78$

Division

- 13) $30 \div 5$
- 14) $16 \div 2$
- 15) $24 \div 6$
- 16) $21 \div 9$

Odd or Even – Write the question number and then put odd or even

- 17) 3647 18) 36272 19) 373738 20) 281

Which number is bigger – Write down the biggest number of the pair

- 21) 101 or 110 22) 0.3 or $\frac{1}{2}$ 23) 0.34 or 0.4 24) $\frac{1}{4}$ or $\frac{1}{3}$

Negative Numbers

- 25) $-3 + 5$ 26) $3 - 7$ 27) $-3 - 4$ 28) $-8 + 6$

And finally

- 29) 37×6 30) 48×23

Number Warm Up

1 $13 + 9$

2 $14 + 17$

3 $17 - 6$

4 $23 - 9$

5 $34 - 19$

6 5×6

7 8×3

8 14×6

9 $12 \div 3$

10 $24 \div 6$

Negative Numbers

11 $-2 + 5$

12 $-6 - 1$

13 $-7 + 2$

14 $5 - 7$

15 $-2 + -3$

16 $-3 - -2$

Time

17 2 am in 24 hour clock

18 2 pm in 24 hour clock

19 15:30 in normal time

20 20:15 in normal time

21 Midnight in 24 hour time

22 Midnight in normal time

23 Midday in 24 hour time

24 Midday in normal time

Money

25 $\pounds 5 - 21\text{p}$

26 $\pounds 5 - \pounds 1.24$

27 $\pounds 5 - \pounds 1.20 - 37\text{p}$

28 $\pounds 1.25 + 89\text{p} + 7\text{p}$

29 $\pounds 20 - \pounds 17.40$

30 $\pounds 10 - \pounds 5.60$

3

Multi-step Problems

- 1) Sally goes shopping and buys 3 packets of sweets at 19p each and two bags of crisps at 32p each. She pays with a £2 coin. How much change does she get?
- 2) Hamed bought 5 packets of chews. He paid 65p in total. How much does one packet of chews cost?
- 3) John is on a Pay as you Go contract on his mobile phone. He pays 10p per text and 5p per minute for calls. His bill for one day was £1.60. He sent 10 texts, how many minutes of call did he make?
- 4) Graham is posting a parcel. The total cost is £2.20. He already has these stamps, 50p, 20p, 30p and two 40p ones. Has he enough stamps to post his parcel? If not, how much is he short?
- 5) Hazel is playing a number game. She says that she has thought of two numbers that multiply (times) to make 24 and add to make 11. What are the two numbers she was thinking of?
- 6) Leroy wants to play Laser Quest. A game lasts 10 minutes and costs £6. He arrives at 3.35pm and has to leave by 4.30pm. How many games has he got time for? If he plays all the games he can, how much will it cost him?
- 7) Kim was looking at the songs of her iPod. She was trying to make a 10 minute party mix. The three songs she has chosen so far last 3 mins 45 secs, 2 mins 8 secs and 2 mins 20 secs. How long do these three songs last in total? How much time has she left to make 10 minutes?

8)

Item	Cost for one	Number bought	Total Cost
Pen	15p	3	a
Pencil	8p	2	b
Rubbers	7p	d	c
Total			£1.03

Li goes shopping and buys some pens, pencils and rubbers. Her shopping bill is shown in the table above. Find the missing values a, b, c and d.

- 9) Sale, one day only, 25% off. How much does a £40 bag cost in the sale?
- 10) Prices are going up by 50%. What is the new price of a £400 TV?

Addition

- 1) $564 + 63 + 0.58 + 7.2$
- 2) $£3.57 + £10 + 86p + 9p$
- 3) $4.5 \text{ m} + 63 \text{ cm} + 38 \text{ mm}$
- 4) $\frac{2}{3} + \frac{3}{4}$

Subtraction

- 5) $562 - 381$
- 6) $9.2 - 0.38$
- 7) $\frac{3}{5} - \frac{1}{2}$
- 8) $1 \text{ kg} - 50 \text{ g}$

Multiplication

- 9) 27×38
- 10) 0.4×0.6
- 11) 1.3×0.08
- 12) $\frac{3}{5} \times \frac{1}{2}$

Division

- 13) $456 \div 8$
- 14) $29.4 \div 7$
- 15) $0.468 \div 0.06$
- 16) $\frac{3}{5} \div \frac{1}{2}$

Conversions

- 17) 400 minutes into hours and minutes.
- 18) 3 hours 18 minutes into minutes.
- 19) 2 days and 4 hours into hours.
- 20) 38 hours into days and hours.
- 21) 1 hour 30 minutes into a decimal.
- 22) 1.25 hours into hours and minutes.
- 23) $3\frac{2}{5} =$ as a top heavy fraction
- 24) $\frac{13}{4} =$ as a mixed number fraction
- 25) $\frac{3}{8}$ as a decimal.
- 26) 0.24 as a fraction. (cancel if possible)
- 27) 250 cm in metres.
- 28) 350 grams in kg.
- 29) 0.5 litres in ml.
- 30) 1m^2 in cm^2 .

Multistep Problem

I buy 3 cans of coke at 38p each, 2 pizzas at £4.85 each and 4 garlic breads. I pay with a £20 note and get £3.68 change. How much is 1 garlic bread?

5

1) $582 - 237$

10) $-2 + 5$

2) 47×67

12) $-9 + 4$

3) $2192 \div 8$

13) $-3 + ^{-}5$

4) $5 \div 8$

14) $-2 - ^{-}6$

5) $8 \div 5$

15) $3 \times ^{-}4$

6) $12.4 + 0.98 + 0.07$

16) $^{-}6 \times ^{-}2$

7) 0.4×0.6

17) $8 \div ^{-}2$

8) $10 \div 0.1$

18) $-18 \div ^{-}3$

9) 8×0.3

19) $(-4)^2$

20) $5 + 2 \times 3$

Number Work - NO CALCULATORS ALLOWED

Complete all questions in your exercise book showing all working out.

- 1) 47×6 2) $4328 - 2573$ 3) $20336 \div 8$
4) $2.8 + 9$ 5) $12.6 - 3.8$ 6) 0.2×8 7) 0.3×0.4 8) $10 \div 0.5$
9) $\frac{1}{5} + \frac{3}{5}$ 10) $\frac{3}{4} - \frac{1}{4}$ 11) $\frac{14}{3} =$ write as mixed number fraction
12) $4\frac{2}{5} =$ write as a top heavy fraction

Negative Numbers

- 13) $-3 + 5$ 14) $4 - - 7$ 15) $-8 - 3$ 16) $-11 - - 9$
17) $-3 \times - 4$ 18) 5×-7 19) $20 \div -5$ 20) $-18 \div -2$

Time - How long is it between these two times?

- 21) 3.40 am and 8.15 am 22) 9.35am and 14:20 23) 9.17 pm and 02:09

- Symbols 24) $\sqrt{81}$ 25) 3^2 26) 4^3 27) 23% of 200 28) 2^5

29) Write down all the factors of 24.

30) Write down the first five multiples of 6.

31) Write down the first five prime numbers.

32) Write down the first five square numbers.

33) Write the next three numbers in this sequence. 4, 7, 10, 13 What is the rule?

34) Write the next three numbers in this sequence. 15, 8, 1 What is the rule?

Copy and complete this table, filling in all the gaps.

Food	How many	Price of 1	Total Cost
Chips	6 portions	98p	
Sausages	3	37p	
Fish	3		£7.05
Beans		47p	£1.88
Drinks		48p	£2.88
Total Cost			
Total Cost with 10% discount			

The final bill is split equally between 6 people. How much do they pay each?

Number Activities

Without using a calculator work out the answers to the following. Show your working out.

- | | |
|-------------------|-------------------|
| 1) $235 + 67 + 8$ | 6) $441 \div 7$ |
| 2) $357 - 89$ | 7) 0.2×8 |
| 3) 34×7 | 8) 235×6 |
| 4) 72×56 | 9) $2748 \div 6$ |
| 5) $32 \div 4$ | 10) $12 \div 0.5$ |

Write down the next three numbers in each sequence

- | | |
|------------------------|--------------------|
| 11) 3, 7, 11, 15 | 13) 13, 9, 5, 1 |
| 12) 0.2, 0.4, 0.6, 0.8 | 14) 1, 2, 4, 8, 16 |

Write these numbers in order of size, smallest to largest

- | | |
|----------------------|----------------------------|
| 15) 101, 110, 111 | 17) 0.1, 0.11, 0.01, 0.101 |
| 16) 0.2, 0.71, 0.123 | 18) 0.672, 0.7, 0.4, 0.401 |

Negative Numbers

- | | |
|----------------|----------------|
| 19) $-2 + 5 =$ | 21) $-2 - 3 =$ |
| 20) $3 - 8 =$ | 22) $-7 + 3 =$ |

Time

- | | |
|--|---|
| 23) How many seconds in a minute? | 31) How long is it between 9.30 am and 11.15am |
| 24) How many minutes in an hour? | 32) What time is 1 hour 35 minutes after 10.40am? |
| 25) How many seconds in an hour? | 33) What time is 2 hours 25 minutes before 1.15 pm? |
| 26) How many hours in a week? | 34) What is 6pm in 24 hour clock? |
| 27) Write 400 minutes in hours and minutes. | |
| 28) How many minutes in 2 hours and 35 minutes? | |
| 29) How many minutes in one and a quarter hours? | |
| 30) How many minutes in three and three quarter hours? | |

Written Methods

Whole Numbers

- 1) $234 + 898$ 2) $467 - 289$
3) 34×67 4) $3703 \div 7$

Decimals

- 5) $5.2 + 0.9 + 16$ 6) $3.7 - 1.8$
7) 4.2×0.8 8) $44.8 \div 8$
9) 3.7×6.2 10) $1.71 \div 0.03$

Fractions

- 11) $\frac{1}{4} + \frac{2}{4}$ 12) $\frac{2}{3} + \frac{1}{4}$
13) $\frac{3}{5} - \frac{1}{2}$ 14) $\frac{2}{3} \times \frac{4}{5}$
15) $\frac{2}{3} \div \frac{4}{5}$ 16) $2\frac{3}{4} =$

Percentages

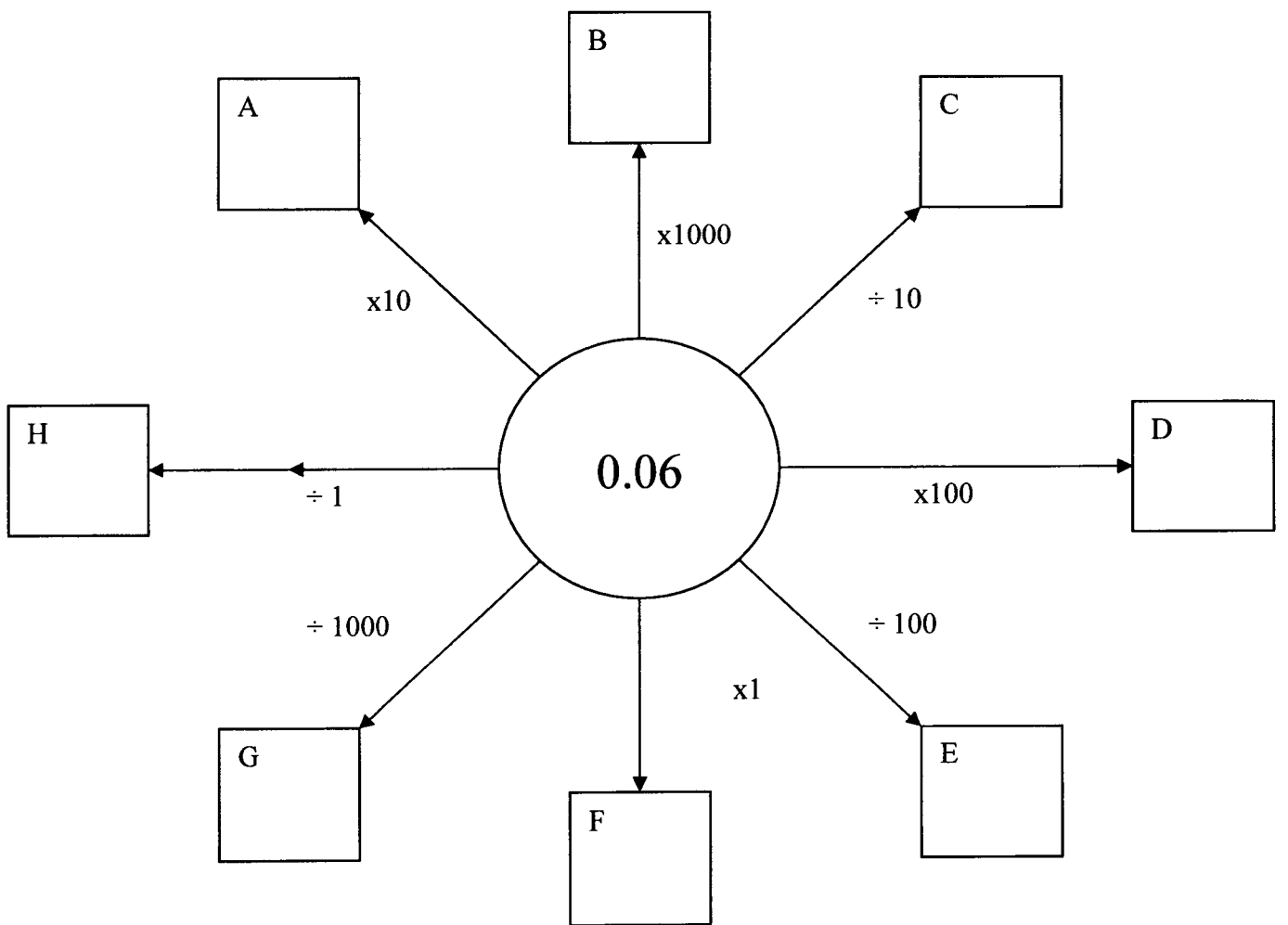
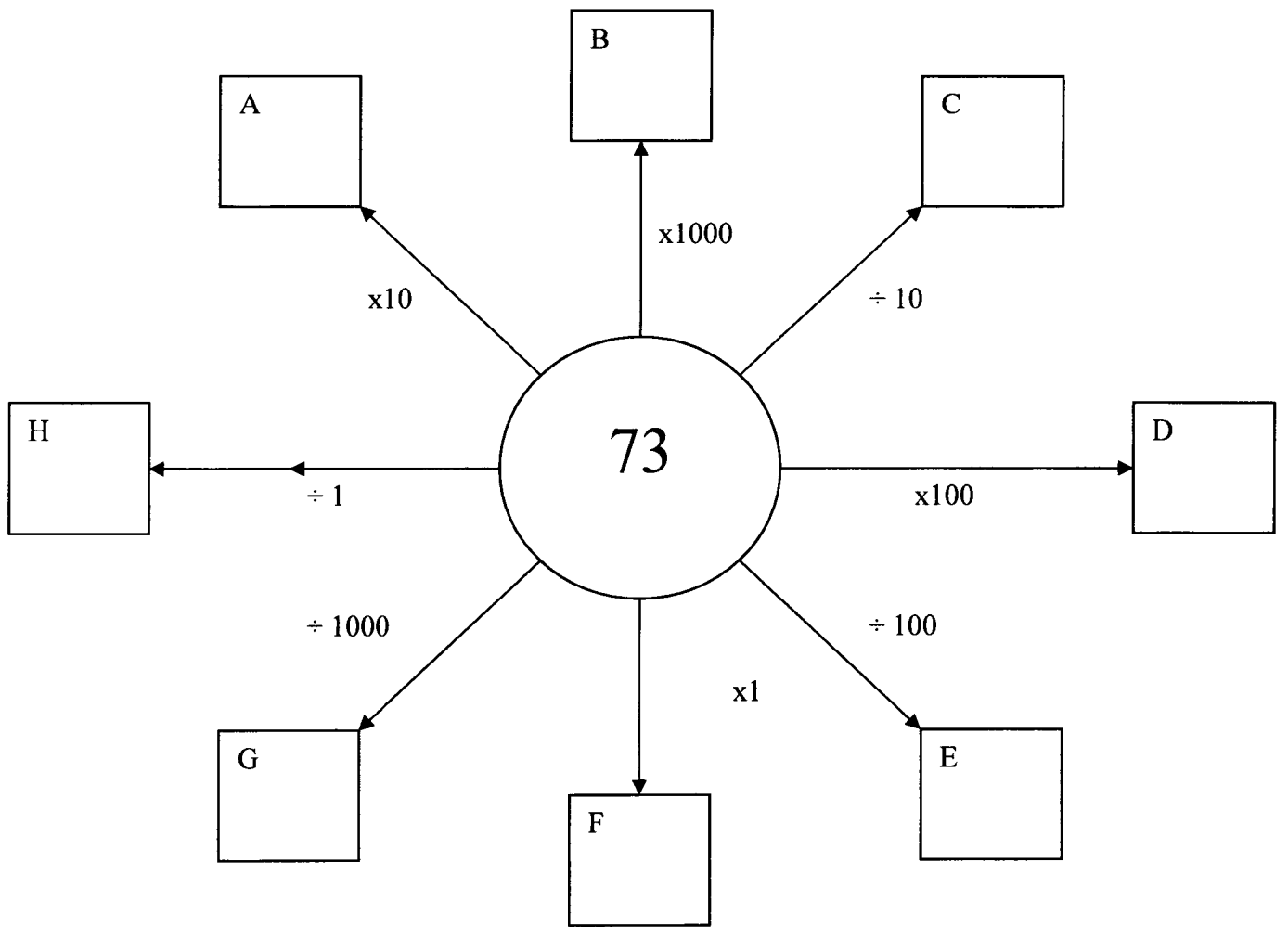
- 17) Find 23% of £165 18) Increase £34 by 12%
19) Decrease 70kg by 8% 20) What is 12 out of 40 as a percentage?

Powers and Roots

- 21) 5^2 22) 4^3
23) 10^3 24) 0.5^2
25) $\sqrt{16}$ 26) $\sqrt{81}$
27) $\sqrt[3]{8}$ 28) $\sqrt[3]{27}$

Estimating

- 29) Estimate an answer to $79 \times £5.98$.
30) Estimate an answer to $4.9 + 5.1 \times 8.01$



(10)

Maths Number Activity Sheet

Complete the times tables questions

3×7	4×8	9×6	8×7	7×7	6×6	4×9	8×9	9×3	8×6

$49 \div 7 =$

$36 \div 9 =$

$28 \div 8 =$

$63 \div 7 =$

Use the box method to find 7×38

x		

Complete these sequences

6, 13, 20, 27, _____, _____, _____

Rule is _____

23, 16, 9, 2, _____, _____, _____

Rule is _____

Write these numbers in order of size smallest to largest.

1.3, 0.8, 0.7, 0.12, 0.5 _____

0.2, 0.35, 0.1, 0.235, 0.8 _____

Circle the square numbers 2 16 38 81 100 17 1

Circle the prime numbers 2 6 9 11 13 15 19

Complete these tables

100%	50%	25%	75%	10%
			£45	

whole	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$
		£9	

Find

$\frac{3}{5}$ of 20

$\frac{2}{3}$ of 21

(11)

$$\frac{1}{3} + \frac{3}{5}$$

$$\frac{5}{6} - \frac{1}{5}$$

$$\frac{1}{6} \times \frac{2}{5}$$

$$\frac{5}{6} \div \frac{1}{3}$$

Fill in the missing times in this table

am/pm	7 am		2 pm		8 pm		11 pm
24 hour		09:00		18:30		21:15	

What is the time?	In am/pm time	In 24 hour time
2 hours after 4.15 pm		
3 hours before 2.30 pm		
1 hour 30 minutes after 4.45 pm		
45 minutes after 6.50 pm		
1 hour 35 minutes before 2.15 pm		

How long is it between? 1.35 pm and 5.10 pm

7.25 am and 2.15 pm

What is 1.2 hours in hours and minutes?

What is 3 hours 27 minutes as a decimal of an hour?