



Multiplication AND DIVISION

Spring 2 – Week 1



My mobile phone costs 18p per minute for national calls.
If I put on £5 credit, how many minutes can I talk for?

The area of a rectangular games hall is 384 square metres.
If the length is 24 metres, how wide is it?

What vocabulary do we need to be familiar with?

Lots of, groups of, sharing, equally, divide, division, divisor, quotient, factor, divisible, inverse, remainder, rounding.

What is the effect of dividing by 10, 100, 1000?

What does division look like?

What methods of division are we familiar with?

L.O. Divide numbers using appropriate methods.

Can we do the calculation mentally?

$$742 \div 7$$



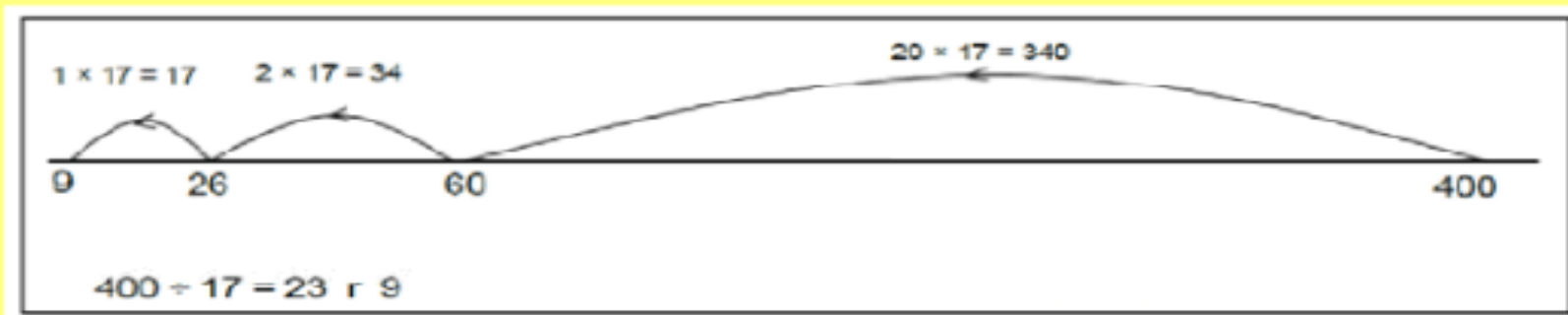
$$4800 \div 60$$



$$720 \text{ divided by } 8 =$$

$$7560 \text{ divided by } 7 =$$

L.O. Divide numbers using appropriate methods.

[illegible]

A

Work out

- 1 $325 \div 25$
- 2 $312 \div 13$
- 3 $400 \div 18$
- 4 $709 \div 22$
- 5 $720 \div 31$
- 6 $514 \div 24$
- 7 $550 \div 17$
- 8 $680 \div 29$
- 9 $378 \div 27$
- 10 $588 \div 14$
- 11 $390 \div 19$
- 12 $442 \div 26$
- 13 $529 \div 15$
- 14 $560 \div 42$
- 15 $672 \div 21$
- 16 $481 \div 33$

B

Work out

- | | |
|------------------|----------------------|
| 1 $1997 \div 13$ | 9 $7973 \div 36$ |
| 2 $3925 \div 32$ | 10 $9182 \div 52$ |
| 3 $4080 \div 17$ | 11 $8004 \div 23$ |
| 4 $5568 \div 24$ | 12 $9527 \div 45$ |
| 5 $6783 \div 41$ | 13 $5076 \div 39$ |
| 6 $4900 \div 35$ | 14 $6951 \div 27$ |
| 7 $6764 \div 19$ | 15 $7544 \div 46$ |
| 8 $9247 \div 28$ | 16 $10\,825 \div 29$ |
- 17 There are 16 sausages in each pack. How many packs can be made from 8750 sausages?
- 18 A group booking of 36 plane tickets costs £6696. What does each ticket cost?
- 19 Each bag holds 25 coins. How many bags are needed for 6784 coins?

Work out

- 1 $18\,600 \div 15$
- 2 $10\,469 \div 24$
- 3 $12\,043 \div 37$
- 4 $65\,284 \div 26$
- 5 $84\,637 \div 18$
- 6 $92\,421 \div 27$
- 7 $14\,589 \div 34$
- 8 $10\,607 \div 16$
- 9 $91\,276 \div 38$
- 10 $13\,618 \div 43$
- 11 $79\,054 \div 29$
- 12 $120\,268 \div 36$
- 13 $68\,379 \div 54$
- 14 $90\,240 \div 42$
- 15 $114\,044 \div 28$

$$340 \div 60 = ?$$

Make up a story described by this equation that would require the answer to be rounded up to the next whole number.

What about rounded down to the next whole number?

A boy worked out how many 19p stamps you can buy for £5.
His answer was 25.
Do you think he was right or wrong? Why?



Four small cars cost a total of £48 623.
John says that the average price of each car is £15 000.
How do you know he can't be right?

$$\square \div \square = 12$$

If the answer was 12 remainder 1, how would you alter the numbers you have been using to complete the original calculation?

The area of a rectangular games hall is 384 square metres.
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Convert 35,000 seconds into hours, minutes and seconds.

Finding fractions of amounts, find $\frac{5}{12}$ of 600.

$$23 \times ? = 78?$$

ANSWERS

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A

1 13

2 24

3 22 r 4

4 32 r 5

5 23 r 7

6 21 r 10

7 32 r 6

8 23 r 13

9 14

10 42

11 20 r 10

12 17

13 35 r 4

14 13 r 14

15 32

16 14 r 19

B

1 153 r 8

2 122 r 21

3 240

4 232

5 165 r 18

6 140

7 356

8 330 r 7

9 221 r 17

10 176 r 30

11 348

12 211 r 32

13 130 r 6

14 257 r 12

15 164

16 373 r 8

17 546

18 £186

19 272

C

1 1240

2 436 r 5

3 325 r 18

4 2510 r 24

5 4702 r 1

6 3423

7 429 r 3

8 662 r 15

9 2402

10 316 r 30

11 2726

12 3340 r 28

13 1266 r 15

14 2148 r 24

15 4073

16 1629 r 3