

Maths

In this pack, you will find 2 weeks' worth of maths. There are 10 sets of arithmetic questions which you should practice each day. Try to complete these 10 questions in 10 minutes. Time yourself and see if you get quicker over the weeks!

Maths tasks will be set in My Maths so please log in to your account to gain access to your maths activities. We will be checking your progress with these tasks.

We have also included maths puzzles that you can work through if you manage to finish all of the other tasks.

Arithmetic

Day 1

- 1) 400×70
- 2) 876×6
- 3) $9.65 + 12.609$
- 4) $18 - 6.75$
- 5) 3.5×100
- 6) $\frac{3}{5}$ of 105
- 7) $2 \times \frac{1}{4}$
- 8) $132,426 - 34,698$
- 9) $195 \div 5 =$
- 10) 6^3

Day 2

- 1) $72000 \div 800$
- 2) 100×80
- 3) Round 893 to the nearest ten
- 4) 7×12
- 5) $3\frac{2}{3} + 1\frac{1}{3}$
- 6) $536 \div 4$
- 7) $284,381 - 13,999$
- 8) $5^2 - 14$
- 9) $\underline{\hspace{2cm}} = 1.07 \times 10$
- 10) 62×7

Day 3

- 1) 50% of 240
- 2) $1,265 \div 11$
- 3) 23×26
- 4) $\frac{4}{9} + \frac{7}{9}$
- 5) $\frac{3}{8} - \frac{1}{8}$
- 6) 25% of 680
- 7) 7085×9
- 8) $89784 - 9728 =$
- 9) $345 + 145$
- 10) $142 - \underline{\hspace{2cm}} = 31$

Day 4

- 1) 45×1000
- 2) $81.45 \div 10$
- 3) 53×27
- 4) $2868 \div 6$
- 5) 15% of 300
- 6) 187×89
- 7) $644 \div 23$
- 8) $\frac{3}{5} \times \frac{1}{4} =$
- 9) $4 \times 1 \frac{1}{2}$
- 10) $3 \frac{2}{5} + 1 \frac{3}{5}$

Day 5

- 1) $1097 - 100$
- 2) 146×2
- 3) $7.1 + 1.6$
- 4) $\underline{\hspace{2cm}} = 42 \times 7$
- 5) $616 + 742$
- 6) $6 \times \underline{\hspace{2cm}} = 240$
- 7) $1.6 + 4.26$

8) _____ = 3 x 6 x 4

9) $\frac{3}{6} + \frac{1}{6}$

10) $420 \div 6 =$

DAY 6

1) 75% = 6790

2) 32 x 60

3) 3.4 + 5.7

4) $1008 \div 8$

5) $\frac{4}{5} \times 6$

6) 10% of 110

7) $69,347 - 24,290$

8) 498 x 6

9) $1\frac{1}{5} \times 3 =$

10) $\frac{2}{3} \times \frac{3}{4}$

DAY 7

1) 800 x 30

2) 0.4 x 9

3) 3.75 + 14.098

4) 78 - 3.4

5) 9.32 x 100

6) $\frac{2}{5}$ of 160

7) $12 \times \frac{1}{4}$

8) $174,396 - 37,155$

9) $7 \div \frac{1}{6}$

10) 4^3

DAY 8

1) $96000 \div 800$

2) 100×0.7

3) Round 13.45 to the nearest tenth

4) $9 \times 11 =$

5) $3 + 1$

6) $548 \div 4$

7) $345,876 - 15,001$

8) $6^2 - 14$

9) $\underline{\hspace{2cm}} = 0.045 \times 10$

10) 146×13

DAY 9

40% of 1,600

2) $345 \div 11$

3) $17 \times 4.9 =$

4) $\frac{3}{4} \times \frac{2}{4}$

5) $\frac{3}{4} - \frac{3}{12}$

6) 15% of 286

7) $3482 \times 27 =$

8) $852 \div 16 =$

9) $1064 - 876$

10) $198 - \underline{\hspace{2cm}} = 64$

DAY 10

1) 64×1000

2) $6.034 \div 10$

3) $63 \times 84 =$

4) $3549 \div 7$

5) 45% of 740

6) 207×45

7) $699 \div 13$

8) $7.89 \div 10 =$

9) $4 \times 1 \frac{1}{4} =$

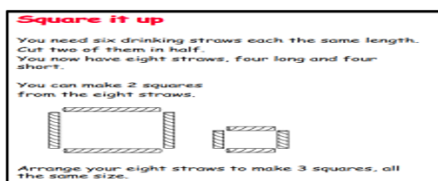
10) $455 \times 63 =$

Maths Puzzles

Game 1: Square it up

You need six drinking straws all the same length. Cut two of them in half.

You now have 8 straws, four long and four short. You can make 2 squares from the 8 straws.



Now arrange your 8 straws to make 3 squares that are all the same size.

Game 2: Joins

Join any four numbers. Find their total. Joins can go up, down or sideways, but not diagonally. The score shown is $8 + 15 + 6 + 18 = 47$.

Find the highest possible score. Find the lowest possible score.

Try joining five numbers. Now try joining five numbers using only diagonal joins.

Joins
Join any four numbers. Find their total. Joins can go up, down or sideways, but not diagonally. The score shown is $8 + 15 + 6 + 18 = 47$.

8	15	6	9
14	13	18	20
18	17	2	5
3	15	19	6

Find the highest possible score.
Find the lowest possible score.

Try joining five numbers.
Now try joining five numbers using only diagonal joins.

Make five numbers

Take ten cards numbered 0 to 9.



Each time use all ten cards.

Arrange the cards to make:

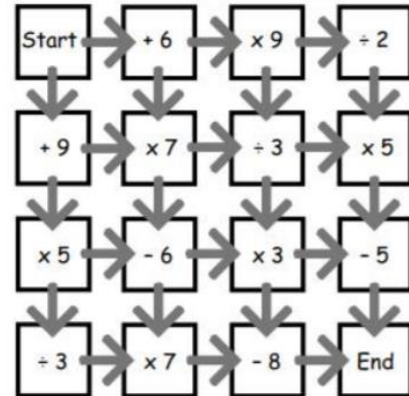
- five numbers that are multiples of 3
- five numbers that are multiples of 7
- five prime numbers

Make up more problems to use all ten cards to make five special numbers.

Maze

Start with zero.

Find a route from 'Start' to 'End' that totals 100 exactly.



Which route has the highest total?

Which has the lowest total?

Now try some different starting numbers.

Age old problems

- My age this year is a multiple of 8.
Next year it will be a multiple of 7.
How old am I?
- Last year my age was a square number.
Next year it will be a cube number.
How old am I?
How long must I wait until my age is both
a square number and a cube?
- My Mum was 27 when I was born.
8 years ago she was twice as old
as I shall be in 5 years' time.
How old am I now?

