

# 5 minutes a day Maths

## WEEK 1

MON

Jack has a full 10 litre bucket of water. It is way too heavy to carry. Jill fills up her 500 ml jug from the bucket three times to help make the bucket lighter.

*How much water is still left in the bucket?*



## WEEK 2

Felicity is spending her lunch money in the school canteen. She spends 85p on a drink, £2.25 on a wrap and 30p on a banana. She still has £1.60 left in change.



*How much lunch money did she start with?*

TUE

Alice says that  $7.59 \times 1000 = 759$

*Is she correct? Explain*



Shamir says that  $389.6 \div 100 = 3.896$

*Is he correct? Explain*



WED

Tick the rows that total 1000

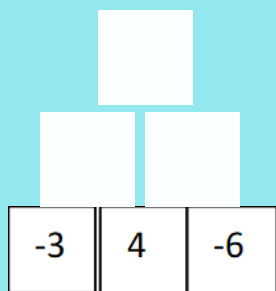
$350 + 790 - 104$   
 $299 + 802 - 101$   
 $310 - 150 + 940$

Fill in the missing values to make this calculation correct

$\begin{array}{r} \square 734 \\ - 3\square 7\square \\ \hline 27\square 1 \end{array}$

THU

Add two consecutive cells together and place the answer above the two cells.



Use a number line to calculate  $-4 + 14$

-4

FRI

The area of a square is exactly double its perimeter. *What is the length of one side?*



Jake's class did a times table quiz. If  $\frac{2}{5}$  of the class scored more than 80% and  $\frac{1}{10}$  of the class scored less than 50%. What fraction of the class scored between 50-80% in the test?



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## WEEK 3

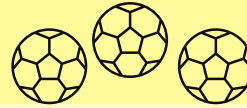
## WEEK 4

MON

On Saturday, Nick and Monica went on a bike ride. They stopped for a snack  $\frac{3}{4}$  of the way after riding 6km. *How much further did they have to ride?*



Football stickers are 35p each, Moosa spends £2.10 on football stickers. Brendan spends one-third of the amount that Moosa spends. *How many football stickers do they buy altogether?*



TUE

Mia says that  $41.6 \times 100 = 4160$ . *Is she correct? Explain*



Harrison says that  $25.36 \div 100 = 2.536$ . *Is he correct? Explain*



WED

A bread factory has to produce 50,000 loaves every day. During the morning shift, 18,923 loaves are produced. The afternoon shift produces 11,418. *How many loaves does the night shift need to produce to hit target?*



A music festival is broadcast live over a bank holiday weekend. On Friday, 58,750 tuned in to watch the live stream. That is 6,950 less viewers than on Saturday but 5,800 more than on Sunday. *How many viewers were there altogether that weekend?*



THU

Tick or cross each number sequence

-8, -3, 2, 7, 12

-8, -2, 0, 4, 8

-8, -5, -1, 2, 5



The temperature inside a freezer was  $-18^{\circ}$ . Tina accidentally left the door open and the temperature rose by  $8^{\circ}$ . *What is the temperature now?*

FRI

Elijah is making three bowls of cereal. He has 231g of cereal to share out equally. *How much cereal does each bowl contain?*



A puddle is 43mm tall. After 8 hours, 3.5cm has evaporated. *What is its new height?*



# 5 minutes a day Maths

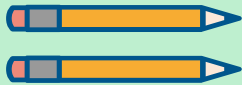
## WEEK 5

MON



Rachel bought two pens and 2 pencils for £166. The pencils were on sale for only 36p each.

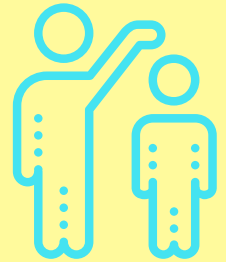
*How much did one of the pens cost?*



## WEEK 6

At the start of the year, Sam measured her height and was 132m tall. After Easter she had grown another 12cm and then a further 0.3m over the summer holidays.

*How tall is she now?*



TUE

Ibrahim says that  $5.17 \times 1000 = 51700$   
*Is he correct? Explain*



Luke says that  $715.6 \div 100 = 71.56$   
*Is he correct? Explain*



WED

A tablet usually costing £220 has been reduced in the sale to £189.  
*How much money would a customer save buying this in the sale?*

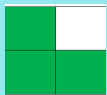
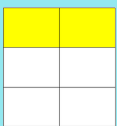


Pizza slice £185  
Ham sandwich £2.10  
Cheese sandwich £1.95  
Orange juice 85p  
Tea 79p  
Milkshake £1.10

Lisa chooses a cheese sandwich and orange juice from the menu.  
*Calculate what she needs to pay in your head.*

THU

*Match the fractions and images*



$$\frac{3}{4}$$

$$\frac{2}{5}$$

$$\frac{1}{3}$$

$$\frac{1}{4}$$

$$\frac{2}{4}$$

*Put a tick or cross next to each calculation*

$$5.3 - 0.4 = 5.1$$

$$7.8 - 1.4 = 9.2$$

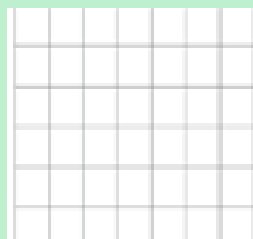
$$1.8 + 0.9 = 2.7$$

$$3.8 + 3.6 = 6.14$$

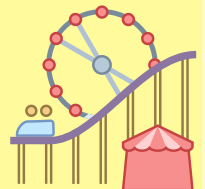
FRI

*Use the grid to help you shade and write an equivalent fraction to*

$$\frac{1}{3}$$



At a theme park, a roller-coaster has 42 benches. Each bench seats 3 people. If  $\frac{4}{6}$  of the benches are fully occupied, *how many people are on the roller-coaster?*



# 5 minutes a day Maths

## WEEK 7

## WEEK 8

MON

Adam had to charge the battery for his new phone for 6 hours.

*How long is that in minutes?*



Amy asks her teacher how old she is. Her teacher replies "My age is 6 squared plus 2 cubed.

*How old is her teacher?*



TUE

Jamie says that  $38.95 \times 100 = 3895$

*Is he correct? Explain*



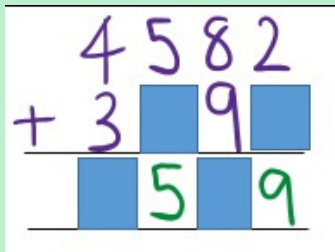
Leslie says that  $8690 \div 1000 = 86.9$

*Is he correct? Explain*



WED

Fill in the missing values to make this calculation correct



Add this sequence in your head...



$$120 + 30 + 90 + 110 =$$

THU

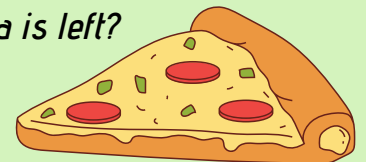
*Use a number line to calculate  $16 - 25 =$*



16

Fiona eats  $\frac{2}{8}$  of a pizza and Katie eats  $\frac{1}{4}$

*How much of the pizza is left?*



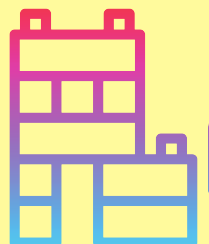
FRI

Kye worked in a shop for  $\frac{2}{3}$  of a 15 hour day. Dave worked in a shop for  $\frac{3}{4}$  of a 12 hour day.  
*Who worked the most hours?*



Toby says "I have built a tower 35cm tall. I need another 75cm to make it 1 metre tall"

*Is he correct? Explain*



# 5 minutes a day Maths ANSWERS



WEEK 1

Mon: 3.5 litres or 3500ml

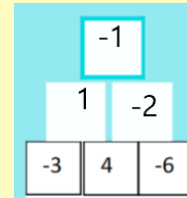
Tues: Incorrect because the digits move 3 places to the left. the answer should be 7590

Weds: 2nd row:  $299 + 802 + 101 = 1000$

Thurs: see image

Fri: The sides of the square are 8cm.

Perimeter = 32cm and area =  $64\text{cm}^2$



WEEK 2

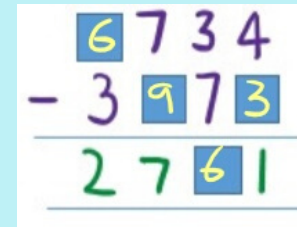
Mon: £5

Tues: Correct because the digits move 3 places to the right.

Weds: see image

Thurs: 18

Fri:  $\frac{5}{10}$  or  $\frac{1}{2}$



WEEK 3

Mon: 2 km

Tues: Correct because the digits move 2 places to the left.

Weds: 19,659

Thurs: The first sequence is the only correct one: -8, -3, 2, 7, 12

Fri: 77g in each bowl

WEEK 4

Mon: 8 football stickers altogether ( 6 & 2)

Tues: Incorrect because the digits move 2 places to the right. The correct answer is 0.2536

Weds: 177,400 (Fri: 58,750; Sat: 65,700; Sun: 52,950)

Thurs: The temperature is now -10

Fri: 39.5cm

FRI

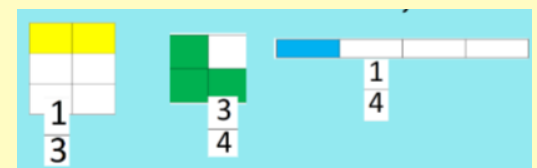
Mon: 47p

Tues: Incorrect because the digits move 3 places to the right. The correct answer is 5170

Weds: Save £31.

Thurs: see image

Fri:  $\frac{14}{42}$  or  $\frac{2}{6}$



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WEEK 6

Mon: 1.74 metres tall or 174cm

Tues: Incorrect because the digits move 2 places to the right. the answer should be **7.156**

Weds: £2.80 (round up the cheese sandwich to £2 and then subtract the 5p at the end)

Thurs:  $1.8 + 0.9 - 2.7$  is the only correct calculation

Fri: 84 people

WEEK 7

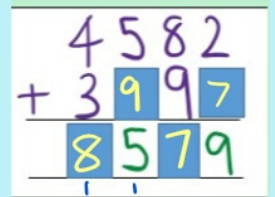
Mon: 360 minutes

Tues: Correct because the digits move 2 places to the left.

Weds: see image

Thurs: -9

Fri: Kye because he worked 10 hours while Dave worked 9 hours.



WEEK 8

Mon: 44 years old

Tues: Incorrect because the digits move 3 places to the right. The correct answer is 8.69

Weds: 350

Thurs:  $\frac{4}{8}$  or  $\frac{1}{2}$

Fri: Incorrect because  $35\text{cm} + 75\text{cm}$  makes 110cm or 1.1 metres. He needs 65cm.

