W/C: 15.06.2020

Log in to purple mash where you have 2 maths tasks to complete (missing numbers and mental calculations) and also a game (Funky Platform) to have a go at.

Log in to Rockstars and test yourself on the 7 times tables. Below is also a paper version.

Use the inverse to answer these:

$42 \div 7 = \underline{\hspace{1cm}}$ $70 \div 7 = \underline{\hspace{1cm}}$ $56 \div 7 = \underline{\hspace{1cm}}$

$10 \times 7 = \underline{\hspace{1cm}}$ $49 \div 7 = \underline{\hspace{1cm}}$ $7 \times 6 = \underline{\hspace{1cm}}$

$4 \times 7 = \underline{\hspace{1cm}}$ $1 \times 7 = \underline{\hspace{1cm}}$ $28 \div 7 = \underline{\hspace{1cm}}$

$12 \times 7 = \underline{\hspace{1cm}}$ $8 \times 7 = \underline{\hspace{1cm}}$ $63 \div 7 = \underline{\hspace{1cm}}$

$7 \div 7 = \underline{\hspace{1cm}}$ $7 \times 3 = \underline{\hspace{1cm}}$ $9 \times 7 = \underline{\hspace{1cm}}$

$7 \times 12 = \underline{\hspace{1cm}}$ $7 \times 4 = \underline{\hspace{1cm}}$ $21 \div 7 = \underline{\hspace{1cm}}$

$2 \times 7 = \underline{\hspace{1cm}}$ $7 \times 8 = \underline{\hspace{1cm}}$ $7 \times 5 = \underline{\hspace{1cm}}$

$84 \div 7 = \underline{\hspace{1cm}}$ $7 \times 2 = \underline{\hspace{1cm}}$ $5 \times 7 = \underline{\hspace{1cm}}$

$77 \div 7 = \underline{\hspace{1cm}}$ $7 \times 1 = \underline{\hspace{1cm}}$ $14 \div 7 = \underline{\hspace{1cm}}$

$11 \times 7 = \underline{\hspace{1cm}}$ $7 \times 11 = \underline{\hspace{1cm}}$ $35 \div 7 = \underline{\hspace{1cm}}$
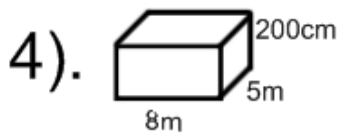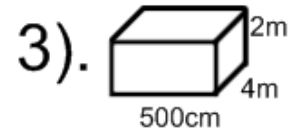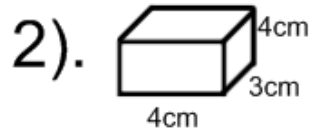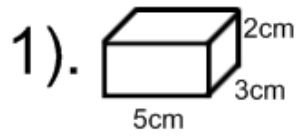
Monday 22nd June 2020

Volume

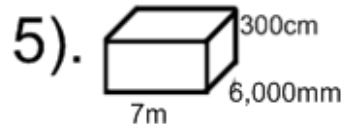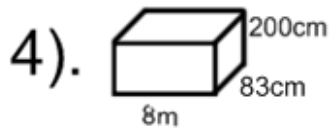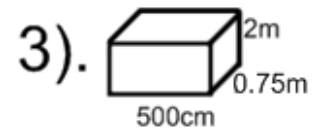Use the video on your class stream to help you solve the following.

Red:

1). 1cm 2cm 5cm

2). 1cm 2cm 2cm

3). 2cm 2cm 5cm

4). 3cm 3cm 3cm

5). 2cm 5cm 10cm

Orange:

1). 2cm 3cm 5cm

2). 4cm 3cm 4cm

3). 2m 4m 500cm

4). 200cm 5m 8m

5). 300cm 600cm 12m

Green:

1). 2cm 3mm 5cm

2). 4cm 5mm 4cm

3). 2m 0.75m 500cm

4). 200cm 83cm 8m

5). 300cm 6,000mm 7m
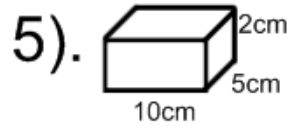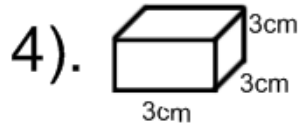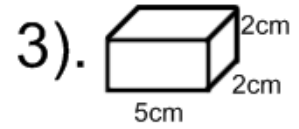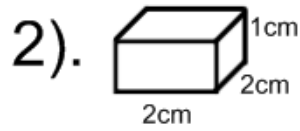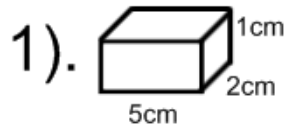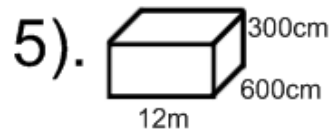
Challenge:

Jack is using cubes to estimate the volume of his money box.

He says the volume will be 20 cm³

Do you agree with Jack?
Explain your answer.

<u>Tuesday 23rd June 2020</u>

<u>Missing values</u>

<u>Red:</u>

1) 5cm
Area = 10cm²

2) 5cm
Area = _____

3) 2cm
Area = 20cm²

4) 3cm
Area = _____

5) 5cm
Area = 50cm²

<u>Orange:</u>

1) 6m
Area = 18m²

2) 7cm
Area = _____

3) 3cm
Area = 13.5cm²

4) 9km
Area = _____

5). 10cm 4cm
Area = 80cm³

Green:

1)
7km

Area = 24.5km²

2)
11cm

Area = _____

3).
3cm, 1cm

Area = 21cm³

4).
4cm, 5cm, 1.2cm

Area = _____

5).
7cm, 80mm
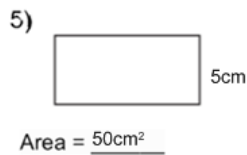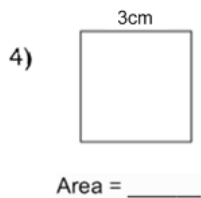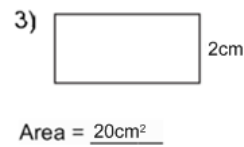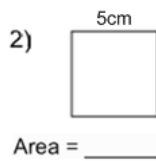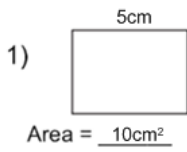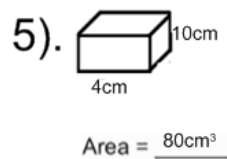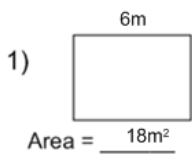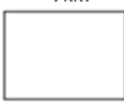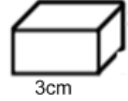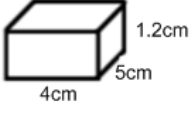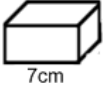
Area = 112cm³

Challenge:

A swimming pool is 10m long and 4m wide. How much water do you need to fill it to a depth of 4m?

Wednesday 24th June 2020

Understanding of the equals sign
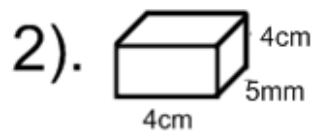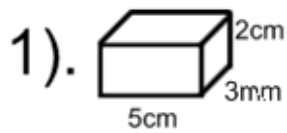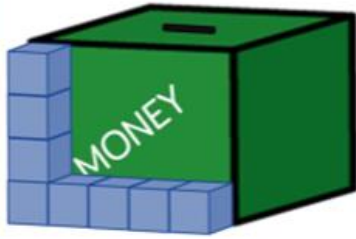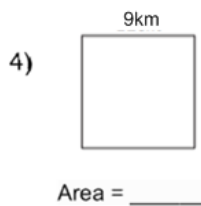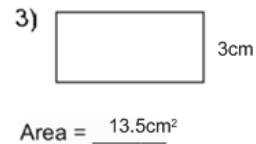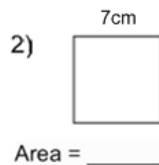
Watch the video on your class stream to help you solve the following.

Red:

1). 15 ÷ ___ = 5   2). 4 x ___ = 16   3). 28 ÷ ___ = 4   4). 10 ÷ 5 = 1 + _____   5). 6 x 6 = 30 + ___ =

Orange:

1). 4 x 9 = 18 x ___   2) 2^2 + ___ = 3^2 3). 6 x ___ = 2 x 12

4). 2 + ___ + ___ = 3^2 5). 5^2 – 1 = 4 x ___

Green:

1). 4 x 400 = 1,600 x ___   2) 3^3 = 23 + ___   3). 0.7 + ___ = 5 - 4

4). 12 x 12 = 132 + ___   5). 50% of £50 = 25% of ___

Challenge:

1.	24	
	=	
2.	50	
	=	
3.	76	
	=	
4.	172	
	=	

Thursday 25th June 2020

Exchange rates

Watch the video on your class stream and use the exchange rates resource to help you solve the following.

Red:

1). How many euros will I receive if I exchange £30?

2). How many euros will I receive if I exchange £25?

3). How many euros will I receive if I exchange £15?

4). How many pounds will I receive if I exchange €75?

5). How many pounds will I receive if I exchange €120?

Orange:

1). How many euros will I receive if I exchange £33?

2) How many yen will I receive if I exchange £25?

3). How many dollars will I receive if I exchange £20?

4). How many pounds will I receive if I exchange €24?

5). How many pounds will I receive if I exchange 715 roubles?

Green:

1). How many euros will I receive if I exchange £334?

2) How many yen will I receive if I exchange £37?

3). How many dollars will I receive if I exchange £240?

4). How many pounds will I need to exchange in order to receive 552 zloty?

5). How many pounds will I need to exchange in order to receive 753 rupees?

Challenge:

Find the difference between the 2 transfer rates.

Currency	Bank Rate	Airport Kiosk Rate	Difference
euro (€)	1.5	1.7	
US dollar ($)	1.2	1.3	
Japanese yen (¥)	140	135	
Russian rouble (₽)	71.5	68.4	
Polish zloty (zł)	4.6	4.9	
Indian rupee (₹)	75.3	74.6	

Friday 26th June 2020

Worded questions

<mark>Watch the video on your class stream to help you solve the following.</mark>

Red

1) In a garden there is space for 20 rows of 14 seeds in a flower bed. How many seeds are in a flower bed?

2) There are 15 rows of 20 stickers on a sheet. How many stickers are there on a sheet?

3) Pencils are sold in packs of seven. How many packs can be made from 35 pencils?

4) £132 is shared equally between 4 children. How many pounds does each child receive?

Orange:

1) In the garden there is space for 18 rows of 32 seeds in a flower bed. How many seeds in a flower bed?

2) There are 25 rows of 18 stickers on a sheet. How many stickers are there on a sheet? How many on 10 sheets?

3) 313 people are sorted into teams of 9 for a competition. How many teams are there?

4) There are 35 rows of 14 dominoes. How many dominoes are there altogether?

5)   428 bags of crisps are bought for a school disco. 12 packets are put into one bowl. How many bowls are needed?

Green:

1). How many rows of seats are needed to seat 673 people at a concert when the rows seat 37 people each?

2). On a street there is space for 18 rows of 32 seeds on one garden. How many seeds is there space for on four gardens?

3). There are 25 rows of 18 stickers on a sheet. How many stickers are there on a sheet? How many on 40 sheets?

4). The teacher gives out 423 sweets. The children are given 16 each. How many children get 16 sweets?

5). Samuel has 515 marbles at a party. He puts 22 marbles into each gift bag. How many gift bags does he fill?

Challenge:

Write **one multiplication** and **one division** question where the answer is 36.