Name:

Date:

MATHS ROCKSTARS

I can do these	I am learning these
1 + 1 =	= 4 + 4
= 2 + 2	3 + 3 =
	5 + 5 =

Challenge 1 and 2

Some questions have been adapted from Big Maths UK original

Name:

Date:

MATHS ROCKSTARS

I know these	I can do these	I am learning these
1 + 1 =	5 + 5 =	= 2 + 3
= 2 + 2	= 4 + 4	2 + 1 =
	3 + 3 =	

Challenge 3

Some questions have been adapted from Big Maths UK original

Name:

Date:

MATHS ROCKSTARS

I know these	I can do these	I am learning these
= 4 + 4	2 + 1 =	1 + 9 =
5 + 5 =	= 2 + 3	3 + 1 =
3 + 3 =		4 + 1 =
		= 5 + 1
		= 6 + 4

Challenge 4

Some questions have been adapted from Big Maths UK original

Name:

Date:

MATHS ROCKSTARS

I know these	I can do these	I am learning these
5 + 5 =	= 5 + 1	5 + 3 =
= 3 + 3	= 6 + 4	2 + 5 =
4 + 4 =	4 + 1 =	= 6 + 2
2 + 1 =	1 + 9 =	8 + 2 =
= 2 + 3	3 + 1 =	7 + 3 =
		= 3 + 4
		= 4 + 2
		3 + 6 =

Challenge 5

Some questions have been adapted from Big Maths UK original

Name:

Date:

MATHS ROCKSTARS

I know these	I can do these	I am learning these
1 + 9 =	= 4 + 2	8 + 8 =
= 5 + 1	2 + 5 =	= 7 + 7
= 6 + 4	= 6 + 2	= 6 + 6
3 + 1 =	5 + 3 =	9 + 9 =
4 + 1 =	7 + 3 =	= 5 + 5
	= 3 + 4	
	8 + 2 =	
	3 + 6 =	

Challenge 6

Some questions have been adapted from Big Maths UK original

Name:

Date:

MATHS ROCKSTARS

I know these

= 6 + 2
= 4 + 2
2 + 5 =
8 + 2 =
5 + 3 =
7 + 3 =
= 3 + 4
3 + 6 =

I can do these

= 6 + 6
9 + 9 =
8 + 8 =
= 7 + 7
= 5 + 5

I am learning these

3 x 10 =	11 x 10 =
= 8 x 10	12 x 10 =
9 x 10 =	7 x 10 =
= 6 x 10	= 4 x 10
1 x 10 =	5 x 10 =
= 2 x 10	= 10 x 10

Challenge 7

Some questions have been adapted from Big Maths UK original

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 1

4 + 1 =	10 + 0 =	4 + 2 =	2 + 5 =	3 + 4 =
3 + 1 =	4 + 4 =	10 + 10 =	5 + 1 =	8 + 2 =
3 + 6 =	5 + 5 =	9 + 1 =	6 + 6 =	6 + 4 =
4 + 2 =	5 + 3 =	1 + 1 =	7 + 7 =	7 + 3 =
2 + 2 =	8 + 8 =	6 + 2 =	3 + 3 =	9 + 9 =

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 2

7 + 3 =	2 + 2 =	8 + 2 =	3 + 6 =	7 + 7 =
4 + 2 =	9 + 1 =	4 + 4 =	3 + 1 =	3 + 3 =
6 + 4 =	2 + 5 =	3 + 4 =	1 + 1 =	8 + 8 =
10 + 0 =	9 + 9 =	5 + 5 =	10 + 10 =	4 + 2 =
6 + 6 =	6 + 2 =	5 + 3 =	4 + 1 =	5 + 1 =

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 3

9 + 1 =	5 + 3 =	5 + 5 =	5 + 1 =	3 + 6 =
2 + 5 =	4 + 2 =	6 + 4 =	4 + 2 =	2 + 2 =
10 + 0 =	8 + 8 =	8 + 2 =	6 + 2 =	3 + 1 =
3 + 4 =	9 + 9 =	4 + 1 =	7 + 7 =	1 + 1 =
7 + 3 =	4 + 4 =	10 + 10 =	3 + 3 =	6 + 6 =

Name:

Date:

MATHS ROCKSTARS

I know these

= 5 + 5
= 7 + 7
8 + 8 =
9 + 9 =
= 6 + 6

I can do these

= 6 x 10	= 4 x 10
1 x 10 =	3 x 10 =
9 x 10 =	= 8 x 10
5 x 10 =	= 2 x 10
7 x 10 =	12 x 10 =
11 x 10 =	= 10 x 10

I am learning these

= 100÷10	80÷10=
70÷10=	= 40÷10
120÷10=	50÷10=
110÷10=	=60÷10
=30÷10	20÷10=
=10÷10	90÷10=

Challenge 8

Some questions have been adapted from Big Maths UK original

Name:

Date:

MATHS ROCKSTARS

I know these

12 x 10 =	7 x 10 =
= 6 x 10	= 4 x 10
1 x 10 =	= 2 x 10
11 x 10 =	3 x 10 =
9 x 10 =	= 8 x 10
5 x 10 =	= 10 x 10

I can do these

120÷10=	50÷10=
110÷10=	= 100÷10
=60÷10	70÷10=
80÷10=	=30÷10
= 40÷10	=10÷10
20÷10=	90÷10=

I am learning these

11 x 5 =	2 x 5 =
8 x 5 =	= 5 x 5
6 x 5 =	9 x 5 =
1 x 5 =	= 10 x 5
= 3 x 5	12 x 5 =
4 x 5 =	= 7 x 5

Challenge 9

Some questions have been adapted from Big Maths UK original

Name:

Date:

MATHS ROCKSTARS

I know these

= 100÷10	=60÷10
=30÷10	120÷10=
70÷10=	110÷10=
50÷10=	=10÷10
80÷10=	90÷10=
20÷10=	= 40÷10

I can do these

6 x 5 =	11 x 5 =
1 x 5 =	8 x 5 =
= 5 x 5	= 7 x 5
9 x 5 =	= 3 x 5
= 10 x 5	4 x 5 =
2 x 5 =	12 x 5 =

I am learning these

=50÷5	20 ÷ 5=
35 ÷ 5=	60 ÷ 5=
=15÷5	25 ÷ 5=
55 ÷ 5=	30 ÷ 5=
5 ÷ 5=	=10÷5
40 ÷ 5=	45 ÷ 5=

Challenge 10

Some questions have been adapted from Big Maths UK original

Name:

Date:

MATHS ROCKSTARS

I know these

1 x 5 =	= 10 x 5
= 7 x 5	12 x 5 =
8 x 5 =	11 x 5 =
6 x 5 =	9 x 5 =
2 x 5 =	= 3 x 5
= 5 x 5	4 x 5 =

I can do these

55 ÷ 5=	=15÷5
5 ÷ 5=	=10÷5
40 ÷ 5=	45 ÷ 5=
60 ÷ 5=	20 ÷ 5=
25 ÷ 5=	=50÷5
30 ÷ 5=	35 ÷ 5=

I am learning these

9 x 2 =	11 x 2 =
12 x 2 =	8 x 2 =
6 x 2 =	= 2 x 2
= 5 x 2	3 x 2 =
= 7 x 2	4 x 2 =

6 + 6 =	7 + 7 =
8 + 8 =	9 + 9 =

Challenge 11

Some questions have been adapted from Big Maths UK original

Name:

Date:

MATHS ROCKSTARS

I know these

25 ÷ 5=	=10÷5
30 ÷ 5=	45 ÷ 5=
20 ÷ 5=	5 ÷ 5=
60 ÷ 5=	40 ÷ 5=
=50÷5	=15÷5
35 ÷ 5=	55 ÷ 5=

I can do these

4 x 2 =	11 x 2 =
8 x 2 =	3 x 2 =
= 2 x 2	9 x 2 =
12 x 2 =	= 5 x 2
6 x 2 =	= 7 x 2

7 + 7 =	6 + 6 =
9 + 9 =	8 + 8 =

I am learning these

18 ÷ 2=	16 ÷ 2=
=10÷ 2	4 ÷ 2=
14 ÷ 2=	= 2 ÷ 2
=22÷ 2	24 ÷ 2=
12 ÷ 2=	20 ÷ 2=

5 + 4 =	3 + 4 =
6 + 7 =	8 + 3 =

Challenge 12

Some questions have been adapted from Big Maths UK original

Name:

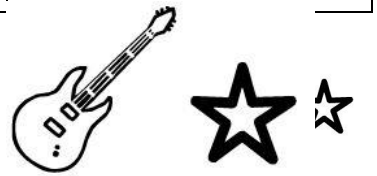
Date:

MATHS ROCKSTARS

Rockstar challenge 4

7 + 7 =	6 + 4 =	6 + 6 =	8 x 2 =	5 + 4 =
8 + 8 =	12 x 5 =	55 ÷ 5=	= 3 x 5	6 + 7 =
4 + 4 =	8 x 10 =	4 x 10 =	50 ÷ 10 =	3 + 3 =
10 + 10 =	5 + 6 =	18 ÷ 2=	12 x 2 =	3 + 4 =
30 ÷ 5=	7 + 4 =	16 ÷ 2=	7 + 3 =	5 + 5 =
9 + 9 =	2 + 8 =	8 + 3 =	90 ÷ 10 =	20 ÷ 10 =

Rockstar Challenge 4



Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 5

6 ÷ 2 =	7 + 5 =	6 + 6 =	2 ÷ 2 =	80 ÷ 10 =
7 + 9 =	2 x 8 =	3 + 7 =	8 ÷ 2 =	120 ÷ 10 =
5 x 5 =	20 ÷ 2 =	9 + 2 =	1 + 1 =	5 x 3 =
110 ÷ 10 =	9 x 5 =	10 x 4 =	2 + 5 =	60 ÷ 5 =
3 + 4 =	6 x 5 =	20 ÷ 10 =	10 x 9 =	8 + 5 =
3 + 6 =	7 + 6 =	8 x 5 =	30 ÷ 10 =	4 x 2 =

Rockstar Challenge 5

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 6

12 x 2 =	8 x 10 =	45 ÷ 5 =	11 x 5 =	10 x 2 =
14 ÷ 2 =	10 x 10 =	6 + 9 =	15 ÷ 5 =	2 x 2 =
22 ÷ 2 =	7 x 10 =	1 x 5 =	2 x 5 =	3 x 2 =
1 x 2 =	4 + 4 =	11 x 10 =	55 ÷ 5 =	12 x 10 =
5 + 9 =	12 x 5 =	60 ÷ 10 =	24 ÷ 2 =	5 + 3 =
2 x 10 =	10 x 5 =	1 x 10 =	6 x 2 =	5 ÷ 5 =

Rockstar Challenge 6

Name:

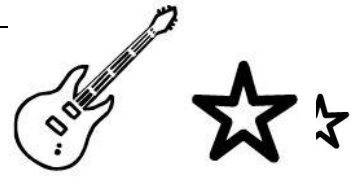
Date:

MATHS ROCKSTARS

Rockstar challenge 7

10 ÷ 10 =	12 ÷ 2 =	4 + 2 =	50 ÷ 10 =	6 + 2 =
7 + 2 =	6 + 8 =	1 + 9 =	40 ÷ 5 =	20 ÷ 5 =
2 + 2 =	2 x 7 =	3 + 3 =	2 x 5 =	25 ÷ 5 =
8 + 3 =	35 ÷ 5 =	50 ÷ 5 =	10 ÷ 5 =	5 + 5 =
5 x 5 =	20 ÷ 2 =	9 + 2 =	1 + 1 =	5 x 3 =
110 ÷ 10 =	9 x 5 =	10 x 4 =	2 + 5 =	60 ÷ 5 =

Rockstar Challenge 7



MATHS ROCKSTARS

Name:

Date:

x	2	5	10
3			
5			
7			
9			
4			
6			
12			

MATHS ROCKSTARS

Name:

Date:

x	5	10	2
2			4
	20	40	
9		90	
	35		14

x	2	5	10
1	2		10
		25	
8			
			60

2.2

MATHS ROCKSTARS

Name:

Date:

x	1	5	10
1			
		45	
			70
		60	

x	0	2	5
3			
		16	
4			
		22	

MATHS ROCKSTARS

Name:

Date:

x			
2		20	
4	8		
6			30
8			

x			
3		15	
5	50		
7			14
9			

2.4

MATHS ROCKSTARS

Name:

Date:

1. How many wheels on 2, 5, and 10 bicycles?
2. 35 people travel to an airport in a taxi. 5 people travel in each taxi. How many taxis are needed?
3. Robin Hood shot 10 arrows and each arrow scored 9 points. How many points did he score?
4. Cinema tickets cost £6. Five people go to the cinema. How much does it cost?
5. Cans of drink come in packs of 5. Sam wants 55 cans. How many packs is this?
6. A baker makes cakes, some with 5 cherries on top, some with 10. He wants to make 5 cakes with 5 cherries on and 8 cakes with 10 cherries. How many cherries does he need?

2.5

MATHS ROCKSTARS

Name:

Date:

Use known facts to solve these calculations:

1. If 10 x 5 = 50 then 9 x 5 = ____
2. If 7 x 2 = 14 then 8 x 2 = ____
3. If 6 x 10 = 60 then 6 x 11 = ____
4. If 6 x 10 = 60 then 6 x 9 = ____
5. If 12 x 5 = 60 then 13 x 5 = ____
6. If 12 x 2 = 24 then 14 x 2 = ____
7. If 4 x 5 = 20 then 5 x 5 = ____
8. If 8 x 2 = 16 then 80 x 2 = ____
9. If 7 x 5 = 35 then 70 x 5 = ____
10. If 9 x 2 = 18 then 9 x 20 = ____

Explain how you know the answer to question 5:

Name:

Date:

MATHS ROCKSTARS

I know these

6 x 2 =	= 2 x 2
11 x 2 =	3 x 2 =
8 x 2 =	= 5 x 2
4 x 2 =	9 x 2 =
= 7 x 2	12 x 2 =

8 + 8 =	9 + 9 =
6 + 6 =	7 + 7 =

I can do these

6 ÷ 2=	=22÷ 2
= 8 ÷ 2	18 ÷ 2=
24 ÷ 2=	14 ÷ 2=
16 ÷ 2=	12 ÷ 2=
= 2 ÷ 2	20 ÷ 2=

5 + 4 =	3 + 4 =
6 + 7 =	8 + 3 =

I am learning these

12 x 3=	6 x 3=
=3 x 4	9 x 3=
2 x 3=	8 x 3=
3 x 7=	3 x 3=
10 x 3=	=11 x 3

5 + 6 =	7 + 5 =
9 + 3 =	8 + 4 =

Challenge 13

Name:

Date:

MATHS ROCKSTARS

I know these

24 ÷ 2=	16 ÷ 2=
20 ÷ 2=	18 ÷ 2=
= 2 ÷ 2	=22÷ 2
= 8 ÷ 2	12 ÷ 2=
6 ÷ 2=	14 ÷ 2=

5 + 4 =	3 + 4 =
6 + 7 =	8 + 3 =

I can do these

3 x 3=	12 x 3=
=3x 1	=3 x 4
8 x 3=	6 x 3=
5 x 3=	9 x 3=
10 x 3=	=11 x 3

8 + 4 =	9 + 3 =
7 + 5 =	5 + 6 =

I am learning these

3 ÷ 3=	33 ÷ 3=
=24÷3	18 ÷ 3=
12 ÷ 3=	27 ÷ 3=
6 ÷ 3=	15 ÷ 3=
21 ÷ 3=	=9÷3
30 ÷ 3=	=36÷3

Challenge 14

Name:

Date:

MATHS ROCKSTARS

I know these

8 x 3=	=3 x 4
3 x 3=	12 x 3=
=3x 1	3 x 7=
5 x 3=	2 x 3=
9 x 3=	=11 x 3

8 + 4 =	9 + 3 =
5 + 6 =	7 + 5 =

I can do these

30 ÷ 3=	21 ÷ 3=
3 ÷ 3=	6 ÷ 3=
=24÷3	15 ÷ 3=
18 ÷ 3=	27 ÷ 3=
=36÷3	=9÷3
33 ÷ 3=	12 ÷ 3=

I am learning these

7 x 4=	4 x 9=
12 x 4=	4 x 2=
=4 x 5	4 x 10=
4 x 4=	=11 x 4
8 x 4=	6 x 4=

9 + 4 =	9 + 6 =
9 + 5 =	9 + 7 =

Challenge 15

Name:

Date:

MATHS ROCKSTARS

I know these

18 ÷ 3=	33 ÷ 3=
27 ÷ 3=	3 ÷ 3=
21 ÷ 3=	6 ÷ 3=
30 ÷ 3=	=36÷3
15 ÷ 3=	=24÷3
=9÷3	12 ÷ 3=

I can do these

=4 x 3	7 x 4=
4 x 4=	12 x 4=
4 x 10=	8 x 4=
=11 x 4	=1 x 4
4 x 9=	6 x 4=

9 + 5 =	9 + 6 =
9 + 7 =	9 + 4 =

I am learning these

12 ÷ 4=	=8 ÷ 4
44 ÷ 4=	48 ÷ 4=
4 ÷ 4=	40 ÷ 4=
=36÷ 4	20 ÷ 4=
32 ÷ 4=	=24 ÷ 4
28 ÷ 4=	16 ÷ 4=

Challenge 16

Name:

Date:

MATHS ROCKSTARS

I know these

4 x 2=	4 x 9=
4 x 10=	7 x 4=
=11 x 4	12 x 4=
=1 x 4	3 x 4=
8 x 4=	6 x 4=

9 + 4 =	9 + 5 =
9 + 6 =	9 + 7 =

I can do these

44 ÷ 4=	4 ÷ 4=
48 ÷ 4=	12 ÷ 4=
40 ÷ 4=	=36÷ 4
=8 ÷ 4	32 ÷ 4=
20 ÷ 4=	=24 ÷ 4
28 ÷ 4=	16 ÷ 4=

I am learning these

6 x 8=	11 x 2=
=8 x 5	10 x 8=
3 x 8=	12 x 8=
=8x 8	7 x 8=
9 x 8=	4 x 8=

8 + 5 =	8 + 7 =
8 + 6 =	8 + 9 =

Challenge 17

Name:

Date:

MATHS ROCKSTARS

I know these

20 ÷ 4=	48 ÷ 4=
=24 ÷ 4	40 ÷ 4=
16 ÷ 4=	44 ÷ 4=
12 ÷ 4=	=8 ÷ 4
32 ÷ 4=	4 ÷ 4=
28 ÷ 4=	=36÷ 4

I can do these

9 x 8=	3 x 8=
=12 x 8	11 x 8=
=8x 8	=8 x 5
7 x 8=	10 x 8=
4 x 8=	6 x 8=

8 + 6 =	8 + 9 =
8 + 5 =	8 + 7 =

I am learning these

48 ÷ 8=	24 ÷ 8=
=32 ÷ 8	40 ÷ 8=
72 ÷ 8=	=56÷ 8
88 ÷ 8=	96 ÷ 8=
8 ÷ 8=	=16 ÷ 8
64 ÷ 8=	80 ÷ 8=

Challenge 18

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 8

12 x 3=	6 x 3=	20 ÷ 4=	5 + 4 =	3 + 4 =
=3 x 4	9 x 3=	=24 ÷ 4	6 + 7 =	8 + 3 =
=32 ÷ 8	40 ÷ 8=	8 x 4 =	7 x 4=	48 ÷ 4=
72 ÷ 8=	=56÷ 8	=11 x 4	12 x 4=	40 ÷ 4=
4 x 8=	6 x 8=	27 ÷ 3=	3 ÷ 3=	9 + 9 =
9 x 8=	3 x 8=	21 ÷ 3=	6 ÷ 3=	8 + 8 =

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 9

6 x 3 =	5 x 7 =	45 ÷ 5=	8 x 3 =	12 x 4 =
88 ÷ 8 =	15 ÷ 5=	44 ÷ 4 =	9 ÷ 3 =	8 + 7=
5 + 4	9 x 8 =	36 ÷ 3 =	6 + 7 =	36 ÷ 4 =
4 x 5 =	8 + 6 =	9 + 9 =	8 + 5 =	8 + 7 =
9 + 4=	9 + 5 =	9 + 4	9 + 5	9 + 6 =
3 x 4 =	8 + 3 =	7 x 8 =	6 + 6 =	4 ÷ 2=

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 10

10 x 9 =	8 + 5 =	56 ÷ 8 =	3 + 6 =	48 ÷ 4 =
30 ÷ 10 =	4 x 2 =	20 ÷ 10 =	12 x 2 =	4 x 8 =
6 ÷ 2 =	11 x 5 =	8 x 4 =	8 + 5 =	9 + 9 =
7 + 9 =	40 ÷ 8 =	2 x 8 =	6 ÷ 3 =	10 x 2 =
5 x 5 =	8 x 5 =	8 + 6 =	8 + 7 =	2 x 2 =
12 ÷ 3 =	1 x 4 =	32 ÷ 8 =	8 x 2 =	20 ÷ 4 =

Rockstar challenge 10

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 11

96 ÷ 8 =	8 ÷ 8 =	6 x 4 =	12 x 8 =	9 x 8 =
12 ÷ 4 =	32 ÷ 4 =	11 x 8 =	12 ÷ 4 =	48 ÷ 8 =
80 ÷ 8 =	24 ÷ 2 =	5 + 3 =	27 ÷ 3 =	=9 + 9
44 ÷ 4 =	16 ÷ 2=	24 ÷ 8 =	8 ÷ 4 =	5 + 6=
9 + 5 =	9 + 4	9 + 5	9 + 6 =	5 + 4=
8 ÷ 4 =	4 x 9 =	7 x 8 =	36 ÷ 3 =	9 + 8=

MATHS ROCKSTARS

Name:

Date:

x	2	5	10	3	4	8
3						
5						
7						
9						
2						
6						
12						

MATHS ROCKSTARS

Name:

Date:

x	4	8	10
3			30
	20		
7			
	36		90

x	2	3	5
1	2		5
		24	
8			
			60

3.2

MATHS ROCKSTARS

Name:

Date:

x	1	5	10
1			
		45	
			70
		25	

x	3	7	8
3			
	15		
4			
		70	

3.3

MATHS ROCKSTARS

Name:

Date:

x	0	8	
2			
10			
		64	
4			48

x	3		11
2			
5		30	
10			
			88

3.4

Name:

Date:

1. How many wheels on 3, 7, and 12 tricycles?

2. 24 people travel to an airport in a taxi. 4 people travel in each taxi. How many taxis are needed?

3. Robin Hood shot 8 arrows and each arrow scored 5 points How many points did he score?

4. Cinema tickets cost £6. Eight people go to the cinema. How much does it cost?

5. Cans of drink come in packs of 4. Sam wants 36 cans. How many packs is this?

6. A carpenter makes tables, some with 3 legs, some with 4. He wants to make 5 tables with 3 legs and 8 tables with 4 legs. How many legs does he need?

MATHS ROCKSTARS

Name:

Date:

Use known facts to solve these calculations:

1. If 10 x 8 = 80 then 9 x 8 = ____
2. If 7 x 4 = 28 then 8 x 4 = ____
3. If 6 x 10 = 60 then 6 x 11 = ____
4. If 6 x 10 = 60 then 6 x 9 = ____
5. If 3 x 12 = 36 then 3 x 13 = ____
6. If 8 x 6 = 48 then 8 x 5 = ____
7. If 4 x 8 = 32 then 4 x 9 = ____
8. If 8 x 5 = 40 then 7 x 5 = ____
9. If 12 x 8 = 96 then 13 x 8 = ____
10. If 10 x 3 = 30 then 9 x 3 = ____

Explain how you know the answer to question 5:

3.6

MATHS ROCKSTARS

Name:

Date:

Use known facts to solve these calculations:

1. If 20 x 8 = 160 then 19 x 8 = ____
2. If 20 x 4 = 80 then 21 x 4 = ____
3. If 30 x 5 = 150 then 29 x 5 = ____
4. If 60 x 4 = 240 then 59 x 4 = ____
5. If 30 x 8 = 240 then 31 x 8 = ____
6. If 80 x 6 = 480 then 81 x 6 = ____
7. If 40 x 8 = 320 then 39 x 8 = ____
8. If 50 x 5 = 250 then 48 x 5 = ____
9. If 70 x 8 = 560 then 72 x 8 = ____
10. If 30 x 3 = 90 then 28 x 3 = ____

Explain how you know the answer to question 5:

3.7

MATHS ROCKSTARS

Name:

Date:

Use double, double and double again to solve these x8 calculations

1. 5 x 8 = Double 5 = 10, double 10 = 20, Double 20 = 40
2. 2 x 8 = Double ____ Double ____ Double ____
3. 6 x 8 = Double ____ Double ____ Double ____
4. 4 x 8 = Double ____ Double ____ Double ____
5. 7 x 8 = Double ____ Double ____ Double ____
6. 11 x 8 = Double ____ Double ____ Double ____
7. 3 x 8 = Double ____ Double ____ Double ____
8. 9 x 8 = Double ____ Double ____ Double ____
9. 8 x 8 = Double ____ Double ____ Double ____
10. 12 x 8 = Double ____ Double ____ Double ____

Name:

Date:

Use double, double and double again to solve these x8 calculations

1. 5 x 8 = Double 5 = 10, double 10 = 20, Double 20 = 40
2. 13 x 8 = Double ____ Double ____ Double ____
3. 14 x 8 = Double ____ Double ____ Double ____
4. 15 x 8 = Double ____ Double ____ Double ____
5. 25 x 8 = Double ____ Double ____ Double ____
6. 32 x 8 = Double ____ Double ____ Double ____
7. 33 x 8 = Double ____ Double ____ Double ____
8. 41 x 8 = Double ____ Double ____ Double ____
9. 54 x 8 = Double ____ Double ____ Double ____
10. 63 x 8 = Double ____ Double ____ Double ____

MATHS ROCKSTARS

Name:

Date:

Use halve it and halve it again to solve these ÷4 calculations

1. 48 ÷ 4 = half = 24 half = 12
2. 44 ÷ 4 = half ____ half ____
3. 8 ÷ 4 = half ____ half ____
4. 20 ÷ 4 = half ____ half ____
5. 16 ÷ 4 = half ____ half ____
6. 36 ÷ 4 = half ____ half ____
7. 4 ÷ 4 = half ____ half ____
8. 12 ÷ 4 = half ____ half ____
9. 40 ÷ 4 = half ____ half ____
10. 32 ÷ 4 = half ____ half ____

MATHS ROCKSTARS

Name:

Date:

Use halve it and halve it again to solve these ÷4 calculations

1. 48 ÷ 4 = half = 24 half = 12
2. 84 ÷ 4 = half ____ half ____
3. 68 ÷ 4 = half ____ half ____
4. 52 ÷ 4 = half ____ half ____
5. 76 ÷ 4 = half ____ half ____
6. 92 ÷ 4 = half ____ half ____
7. 64 ÷ 4 = half ____ half ____
8. 72 ÷ 4 = half ____ half ____
9. 96 ÷ 4 = half ____ half ____
10. 60 ÷ 4 = half ____ half ____

MATHS ROCKSTARS

Name:

Date:

Use halve it, halve it and halve it again to solve these ÷8 calculations

1. 48 ÷ 8 = half ____ half ____ half ____
2. 32 ÷ 8 = half ____ half ____ half ____
3. 40 ÷ 8 = half ____ half ____ half ____
4. 64 ÷ 8 = half ____ half ____ half ____
5. 80 ÷ 8 = half ____ half ____ half ____
6. 56 ÷ 8 = half ____ half ____ half ____
7. 8 ÷ 8 = half ____ half ____ half ____
8. 24 ÷ 8 = half ____ half ____ half ____
9. 96 ÷ 8 = half ____ half ____ half ____
10. 16 ÷ 8 = half ____ half ____ half ____

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Find 2 different ways to solve these calculations:

1. 17 x 3 =

a) 10 x 3 = 30
7 x 3 = 21
30 + 21 = 51

b) 12 x 3 = 36
5 x 3 = 15
36 + 15 = 51

c) 20 x 3 = 60
3 x 3 = 9
60 – 9 = 51

2. 18 x 4 =
3. 16 x 5 =
4. 23 x 8 =
5. 29 x 5 =
6. 31 x 4 =
7. 39 x 8 =
8. 18 x 5 =
9. 38 x 3 =
10. 48 x 5 =

Name:

Date:

MATHS ROCKSTARS

I know these

=8x 8	7 x 8=
=8 x 5	10 x 8=
6 x 8=	8 x 2=
9 x 8=	4 x 8=
3 x 8=	12 x 8=

8 + 9 =	8 + 6 =
8 + 7 =	8 + 5 =

I can do these

88 ÷ 8=	8 ÷ 8=
96 ÷ 8=	72 ÷ 8=
=16 ÷ 8	48 ÷ 8=
=56÷ 8	=32 ÷ 8
24 ÷ 8=	40 ÷ 8=
64 ÷ 8=	80 ÷ 8=

I am learning these

11 x 6 =	6 x 5 =
=6 x 4	7 x 6 =
6 x 8 =	=3 x 6
=12 x 6	10 x 6 =
6 x 6 =	9 x 6 =

90 + 10 =	95 + 5 =
80 + 20 =	85 + 15 =

Challenge 19

Name:

Date:

MATHS ROCKSTARS

I know these

72 ÷ 8=	=32 ÷ 8
88 ÷ 8=	8 ÷ 8=
48 ÷ 8=	64 ÷ 8=
=56÷ 8	40 ÷ 8=
96 ÷ 8=	=16 ÷ 8
24 ÷ 8=	80 ÷ 8=

I can do these

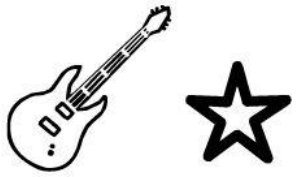
6 x 8 =	=3 x 6
=12 x 6	10 x 6 =
=6x 4	7 x 6 =
11 x 6 =	6 x 5 =
6 x 6 =	9 x 6 =

90 + __ = 100	95 + __ = 100
80 + __ = 100	85 + __ = 100

I am learning these

72 ÷ 6=	60 ÷ 6=
=66÷6	12 ÷ 6=
= 54÷6	42 ÷ 6=
6 ÷ 6=	36 ÷ 6=
48 ÷ 6=	=30÷6
24 ÷ 6=	18 ÷ 6=

Challenge 20



Name:

Date:

MATHS ROCKSTARS

I know these

6 x 8 =	=3 x 6
4 x 6 =	10 x 6 =
6 x 5 =	7 x 6 =
9 x 6 =	=12 x 6
11 x 6 =	= 6x 6

80 + __ = 100	95 + __ = 100
85 + __ = 100	80 + __ = 100

I can do these

= 54÷6	42 ÷ 6=
48 ÷ 6=	=30÷6
24 ÷ 6=	18 ÷ 6=
=66÷6	12 ÷ 6=
6 ÷ 6=	36 ÷ 6=
72 ÷ 6=	60 ÷ 6=

I am learning these

12 x 7 =	10 x 7 =
= 7x8	5 x 7 =
7 x 6 =	=2 x 7
1 x 7 =	11 x 7 =
=3 x 7	9 x 7 =
4 x 7 =	7 x 7 =

Challenge 21

Name:

Date:

MATHS ROCKSTARS

I know these

= 54÷6	=66÷6
42 ÷ 6=	6 ÷ 6=
12 ÷ 6=	48 ÷ 6=
36 ÷ 6=	=30÷6
24 ÷ 6=	18 ÷ 6=
72 ÷ 6=	60 ÷ 6=

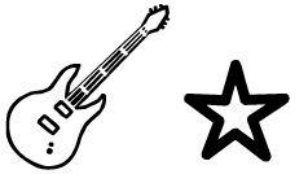
I can do these

12 x 7 =	10 x 7 =
=2 x 7	9 x 7 =
11 x 7 =	=3 x 7
5 x 7 =	7 x 6 =
7 x 7 =	1 x 7 =
4 x 7 =	= 7x8

I am learning these

63 ÷ 7 =	70 ÷ 7=
7 ÷ 7=	42 ÷ 7=
=77÷7	14 ÷ 7 =
49 ÷ 7 =	=56÷7
28 ÷ 7=	21 ÷ 7 =
84 ÷ 7=	=35÷7

Challenge 22



Name:

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MATHS ROCKSTARS

I know these

1 x 7 =	11 x 7 =
10 x 7 =	9 x 7 =
5 x 7 =	=2 x 7
7 x 7 =	=3 x 7
= 7x8	7 x 6 =
4 x 7 =	12 x 7 =

I can do these

49 ÷ 7 =	=56÷7
28 ÷ 7=	=77÷7
21 ÷ 7 =	63 ÷ 7 =
14 ÷ 7 =	7 ÷ 7=
70 ÷ 7=	84 ÷ 7=
42 ÷ 7=	=35÷7

I am learning these

5 x 9 =	=3 x 9
10 x 9 =	8 x 9 =
=6x9	12 x 9 =
7 x 9 =	9 x 9 =
11 x 9 =	4 x 9 =

70 + __ = 100	75 + __ = 100
60 + __ = 100	65 + __ = 100

Challenge 23

Name:

Date:

MATHS ROCKSTARS

I know these

63 ÷ 7 =	=77÷7
28 ÷ 7=	21 ÷ 7 =
84 ÷ 7=	=35÷7
42 ÷ 7=	=56÷7
7 ÷ 7=	49 ÷ 7 =
70 ÷ 7=	14 ÷ 7 =

I can do these

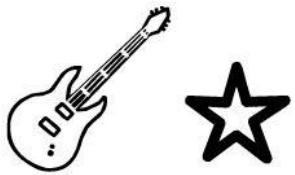
=3 x 9	10 x 9 =
9 x 9 =	=6x9
=8x 9	5 x 9 =
12 x 9 =	7 x 9 =
11 x 9 =	4 x 9 =

60 + __ = 100	75 + __ = 100
70 + __ = 100	75 + __ = 100

I am learning these

72 ÷ 9 =	=99÷ 9
45 ÷ 9 =	108 ÷ 9 =
27 ÷ 9 =	=63 ÷ 9
=9 ÷ 9	36 ÷ 9 =
18 ÷ 9 =	54 ÷ 9 =
90 ÷ 9 =	81 ÷ 9 =

Challenge 24



Name:

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MATHS ROCKSTARS

I know these

4 x 9 =	8 x 9 =
3 x 9 =	5 x 9 =
11 x 9 =	10 x 9 =
=6x9	12 x 9 =
7 x 9 =	9 x 9 =

65 + __ = 100	70 + __ = 100
75 + __ = 100	60 + __ = 100

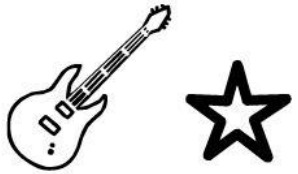
I can do these

72 ÷ 9 =	=9 ÷ 9
=99÷ 9	45 ÷ 9 =
36 ÷ 9 =	27 ÷ 9 =
108 ÷ 9 =	18 ÷ 9 =
=63 ÷ 9	90 ÷ 9 =
54 ÷ 9 =	81 ÷ 9 =

I am learning these

11 x 5 =	11 x 11 =
=2x11	12 x 11 =
7 x 11 =	9 x 11 =
8 x 11 =	10 x 11 =
1 x 11 =	3 x 11 =
=11 x 6	4 x 11 =

Challenge 25



Name:

Date:

MATHS ROCKSTARS

I know these

108 ÷ 9 =	=99÷ 9
81 ÷ 9 =	72 ÷ 9 =
=63 ÷ 9	45 ÷ 9 =
36 ÷ 9 =	90 ÷ 9 =
54 ÷ 9 =	27 ÷ 9 =
18 ÷ 9 =	=9 ÷ 9

I can do these

12 x 11 =	11 x 11 =
8 x 11 =	11 x 5 =
1 x 11 =	=2x11
9 x 11 =	3 x 11 =
10 x 11 =	4 x 11 =
=11 x 6	7 x 11 =

I am learning these

22 ÷ 11=	121 ÷ 11=
88 ÷ 11=	44 ÷ 11=
132 ÷ 11=	=66÷11
=110÷11	77 ÷ 11=
=33÷11	11 ÷ 11=
99 ÷ 11=	55 ÷ 11=

Challenge 26

Name:

Date:

MATHS ROCKSTARS

I know these

7 x 11 =	9 x 11 =
8 x 11 =	10 x 11 =
3 x 11 =	1 x 11 =
4 x 11 =	=11 x 6
11 x 5 =	11 x 11 =
=2x11	12 x 11 =

I can do these

44 ÷ 11=	121 ÷ 11=
=66÷11	77 ÷ 11=
22 ÷ 11=	=33÷11
88 ÷ 11=	99 ÷ 11=
132 ÷ 11=	11 ÷ 11=
=110÷11	55 ÷ 11=

I am learning these

9 x 12=	=10x12
1 x 12=	12 x 4=
=7x12	12 x 12=
12 x 8=	=6x12
12 x 2=	11 x 12=
3 x 12=	12 x 5=

Challenge 27

Name:

Date:

MATHS ROCKSTARS

I know these

22 ÷ 11=	99 ÷ 11=
=33÷11	=110÷11
121 ÷ 11=	88 ÷ 11=
11 ÷ 11=	132 ÷ 11=
55 ÷ 11=	44 ÷ 11=
77 ÷ 11=	=66÷11

I can do these

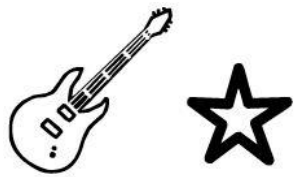
12 x 5=	1 x 12=
12 x 2=	=7x12
11 x 12=	12 x 12=
9 x 12=	=10x12
=6x12	12 x 4=
3 x 12=	12 x 8=

I am learning these

12 ÷ 12=	36 ÷ 12=
=48÷12	108 ÷ 12=
=84÷12	24 ÷ 12=
=96÷12	144 ÷ 12=
132 ÷ 12=	72 ÷ 12=
120 ÷ 12=	60 ÷ 12=

Challenge 28

dapted from Big Maths UK original



Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 12

7 x 11 =	8 x 12 =	9 x 8 =	9 x 5 =	6 x 7 =
6 x 5 =	6 x 12 =	4 x 11 =	4 x 9 =	9 x 9 =
6 x 6 =	7 x 6 =	4 x 5 =	4 x 6 =	4 x 7 =
8 x 5 =	7 x 7 =	7 x 5 =	8 x 6 =	9 x 6 =
6 x 8 =	4 x 8 =	9 x 12 =	7 x 8 =	8 x 8 =
8 x 7 =	9 x 7 =	6 x 9 =	7 x 9 =	8 x 9 =

Rockstar challenge 12

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 13

6 x 7 =	4 x 8 =	3 x 7 =	6 x 8 =	12 x 6 =
3 x 8 =	2 x 7 =	5 x 7 =	7 x 8 =	3 x 9 =
8 x 6 =	0 x 9 =	3 x 6 =	9 x 8 =	7 x 7 =
11 x 9 =	12 x 9 =	4 x 9 =	9 x 6 =	1 x 9 =
4 x 6 =	12 x 8 =	5 x 9 =	12 x 7 =	2 x 9 =
7 x 6 =	11 x 7 =	5 x 8 =	4 x 7 =	11 x 8 =

Rockstar challenge 13

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 14

9 x 7 =	55 + __ = 100	7 x 7 =	65 + __ = 100	7 x 5 =
=11 x 7	4 x 8 =	11 x 12 =	7 x 8 =	9 x 12 =
20 ÷ 5 =	3 x 3 =	144 ÷ 12 =	7 x 9 =	85+__ = 100
25 ÷ 5 =	6 x 9 =	9 x 12 =	64 ÷ 8 =	8 x 8 =
10 x 11 =	7 x 4 =	6 x 9 =	8 ÷ 8 =	6 x 8 =
88 ÷ 11 =	12 ÷ 6 =	27 ÷ 9 =	75 + __ = 100	8 x 9 =

Rockstar challenge 14

Name:

Date:

MATHS ROCKSTARS

Rockstar challenge 15

9 ÷ 3 =	11 x 4 =	10 x 6 =	12 x 12 =	60 ÷ 12 =
6 x 3 =	8 x 8 =	8 + 6 =	4 + 7=	8 + 9 =
=99÷ 9	60 ÷ 6 =	4 x 7 =	18 ÷ 2=	20 ÷ 5=
11 x 6 =	12 x 7 =	=4 ÷ 2	=2 x 2	8 + 7 =
5 + 6=	8 + 5 =	95 + __ = 100	3 x 4 =	21 ÷ 3 =
22 ÷ 11 =	72 ÷ 8 =	9 x 9 =	27 ÷ 3 =	3 + 9 =

Rockstar challenge 15

MATHS ROCKSTARS

Name:

Date:

x	6	7	8	9	11	12
3						
5						
7						
9						
2						
6						
12						

MATHS ROCKSTARS

Name:

Date:

x	6	7	9
3			27
	48		
7			
	66		99

x	8	11	12
1	8		12
		44	
8			
			108

4.2

MATHS ROCKSTARS

Name:

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x	3	6	9
0			
		66	
			72
	21		

x	4	8	12
3			
	28		84
4			
		80	

4.3

MATHS ROCKSTARS

Name:

Date:

x			
5		30	
9	81		
7			49
3		18	

x			
8			80
6		42	
4	0		
12	0		

4.4

MATHS ROCKSTARS

Name:

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1. How many wheels in total on 6, 7, and 9 cars?

2. 81 people travel to an airport in a taxi. 9 people travel in each taxi. How many taxis are needed?

3. Robin Hood shot 7 arrows and each arrow scored 9 points How many points did he score?

4. Cinema tickets cost £6. Eight people go to the cinema. How much does it cost?

5. Cans of drink come in packs of 12. Sam wants 144 cans. How many packs is this?

6. A carpenter makes tables, some with 4 legs, some with 8. He wants to make 9 tables with 4 legs and7 tables with 8 legs. How many legs does he need altogether?

MATHS ROCKSTARS

Name:

Date:

Use known facts to solve these calculations:

1. If 10 x 8 = 80 then 9 x 8 = ____
2. If 9 x 4 = 36 then 8 x 4 = ____
3. If 7 x 10 = 70 then 7 x 11 = ____
4. If 10 x 9 = 90 then 11 x 9 = ____
5. If 5 x 12 = 60 then 5 x 13 = ____
6. If 8 x 9 = 72 then 9 x 9 = ____
7. If 8 x 9 = 72 then 6 x 9 = ____
8. If 15 x 5 = 75 then 16 x 5 = ____
9. If 19 x 8 = 152 then 20 x 8 = ____
10. If 23 x 3 = 69 then 24 x 3 = ____

Explain how you know the answer to question 5:

4.6

MATHS ROCKSTARS

Name:

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Use known facts to solve these calculations:

1. If 20 x 9 = 180 then 19 x 8 = ____
2. If 20 x 7 = 140 then 21 x 7 = ____
3. If 20 x 8 = 160 then 29 x 8 = ____
4. If 80 x 8 = 640 then 81 x 8 = ____
5. If 40 x 7 = 280 then 39 x 8 = ____
6. If 50 x 6 = 300 then 51 x 6 = ____
7. If 70 x 12 = 840 then 72 x 8 = ____
8. If 300 x 3 = 900 then 28 x 3 = ____
9. If 200 x 9 = 1800 and 199 x 9 = 1791 then 198 x 9 = ____
10. If 200 x 7 = 1400 and 199 x 7 = 1393 then 198 x 7 = ____

MATHS ROCKSTARS

Name:

Date:

Find 2 different ways to solve these calculations:

1. 129 x 3 =

a) 100 x 3 = 300
20 x 3 = 60
9 x 3 = 27
300 + 60 + 27
300 + 87 = 387

b) 129 x 3 =

130 x 3 =
13 x 3 = 39
130 x 3 = 390

2. 141 x 7
3. 169 x 5 =
4. 131 x 8 =
5. 199 x 6 =
6. 131 x 7 =
7. 139 x 8 =
8. 181 x 9 =
9. 139 x 4 =
10. 141 x 9 =

Name:

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MATHS ROCKSTARS

Challenge 9: Work out the missing digits in these calculations.

a)

$$\begin{array}{r} \square\,3\,\square \\ \times \quad\quad 3 \\ \hline 7\,0\,2 \end{array}$$

b)

$$\begin{array}{r} \square\,6\,\square \\ \times \quad\quad 3 \\ \hline 5\,0\,1 \end{array}$$

c)

$$\begin{array}{r} 2\,\square\,3 \\ \times \quad\quad 3 \\ \hline \square\,4\,9 \end{array}$$

d)

$$\begin{array}{r} 2\,3\,\square \\ \times \quad\quad 6 \\ \hline 1\,\square\,0\,4 \end{array}$$

e)

$$\begin{array}{r} 1\,\square\,7 \\ \times \quad\quad 6 \\ \hline \square\,0\,0\,2 \end{array}$$

f)

$$\begin{array}{r} \square\,8\,3 \\ \times \quad\quad 6 \\ \hline 1\,6\,\square\,8 \end{array}$$

What do you notice about multiplying by 3 and by 6?

_____

_____

Question taken from 'Maths Mastery' booklet – page 36.