YEAR 2

MATHS

Home Learning Pack

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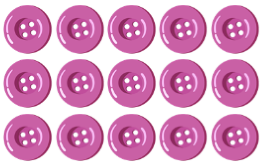
Use Arrays

1. Match each array to 2 calculations.

A. 

B. 

2 x 5

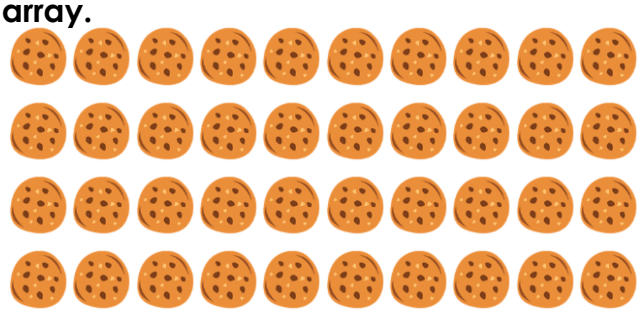
5 x 3

5 x 2

3 x 5

VF

2. Complete 2 calculations to match the array.



☐ x ☐ = ☐

☐ x ☐ = ☐

VF

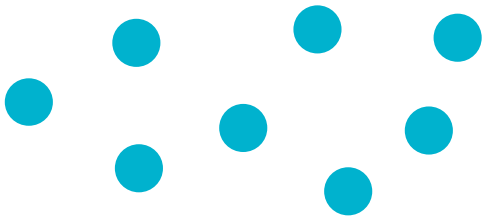
3. There are 4 rows with 5 counters in each row. Draw the array.

Using the array, complete the calculation.

☐ x ☐ = ☐ x ☐

VF

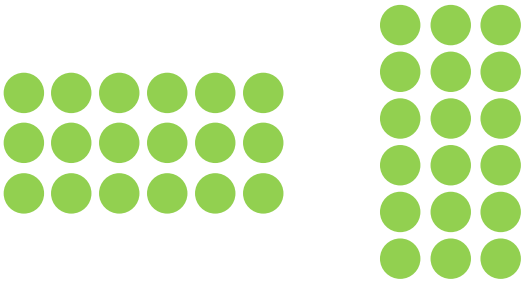
4. Ben is making an array but has dropped all of his counters.



What calculation was Ben solving? Find all possible answers.

PS

5. Olivia uses 18 counters to make the arrays below.

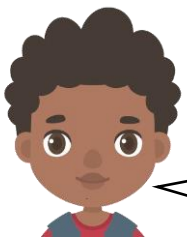


Draw 2 more arrays Olivia could have made using the same counters.

PS

6. Max is making an array to solve 3 x 7.

He says,



I can use 3 lots of 5 and 3 lots of 3 to find my answer.

Is he correct? Explain why.

R

Use Arrays

Four gardeners are planting vegetables on an allotment. They plant each type of vegetable in rows, with an equal number in each row.

I have planted 5 rows of potatoes with 5 potatoes in each row.

I have planted 4 rows of carrots. There are more carrots than potatoes.

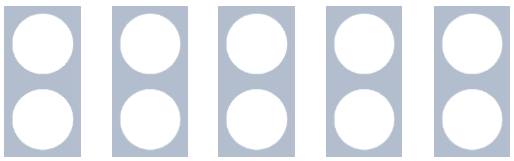
I have planted 8 rows of onions. There are fewer onions than carrots.

I have planted 2 rows of cabbages. There are fewer cabbages than any other vegetable.

Investigate the different numbers of vegetables each gardener has planted by drawing arrays. Write a multiplication to match each array.

The 2 Times Table

1. Use the number pieces to complete the calculation.



☐ x 2 = ☐

VF

2. Match each calculation to the correct answer.

A. 6 x 2	16
B. 8 x 2	6
C. 12 x 2	12
D. 3 x 2	24

VF

3. Fill in the missing numbers.

A.

2	2	2	2	2	2

B.

16		20		24

VF

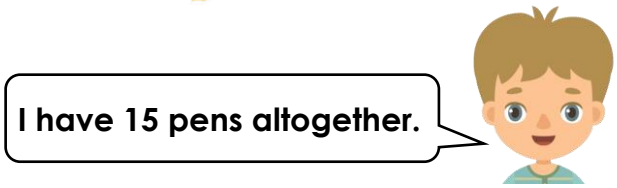
4. Laura is putting her socks into pairs. She has 16 socks altogether.

16

Is Laura correct? Use the bar model to explain your answer.

R

5. Pens come in packs of 2. Jack buys 7 packs.



Explain why Jack cannot be right.

R

6. Use the cards below to complete the statement.

6	4	8	7	1	2

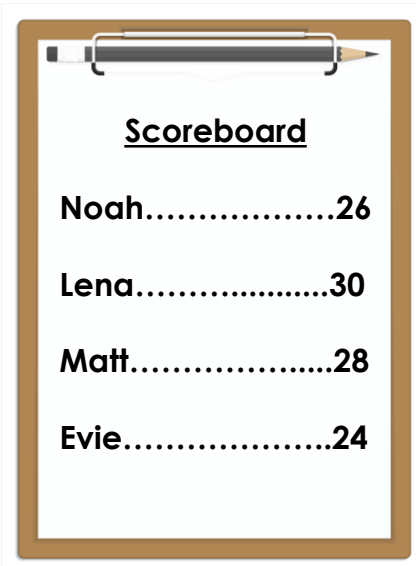
☐ x 2 = ☐☐

Find 3 possible answers.

PS

The 2 Times Table

Each child is given 3 bean bags to throw into the buckets below. They must multiply each number they land in by 2 to generate a score.

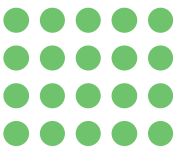


Investigate the possible ways each child reached their score.

The 5 Times Table

1. Match the arrays to the calculations.

A.



B.

5 x 8 = 40

30 = 5 x 6

4 x 5 = 20

VF

2. Choose the correct multiplications to complete the statements.

10 x 5	6 x 5	5 x 3

A. 8 x 5 > ☐

B. 3 x 5 = ☐

C. 5 x 7 < ☐

VF

3. Complete the calculations below.

A. 3 x 5 = ☐

B. ☐ x 5 = 40

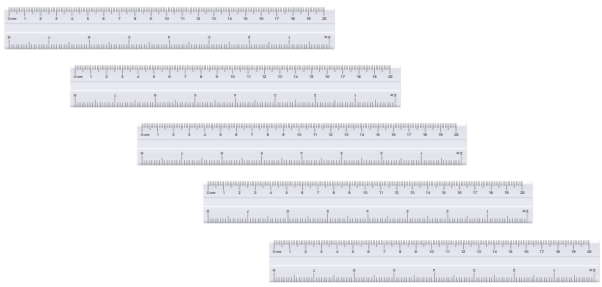
C. ☐ x 5 = 25

D. 11 x 5 = ☐

VF

4. In a classroom there are 7 tables. Each table needs 5 rulers.

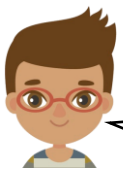
Miss Holmes has a box of 39 rulers.



Does she have enough? Explain why.

R

5. Daniel and Tilly are both counting in 5s.



Daniel: I count forwards from 25.

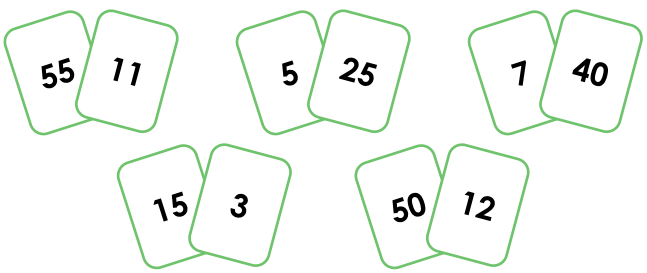
Tilly: I count backwards from 60.

Who will say the number 40 first? Prove it.

R

6. Alia is using digit cards to complete the calculation.

☐ x 5 = ☐

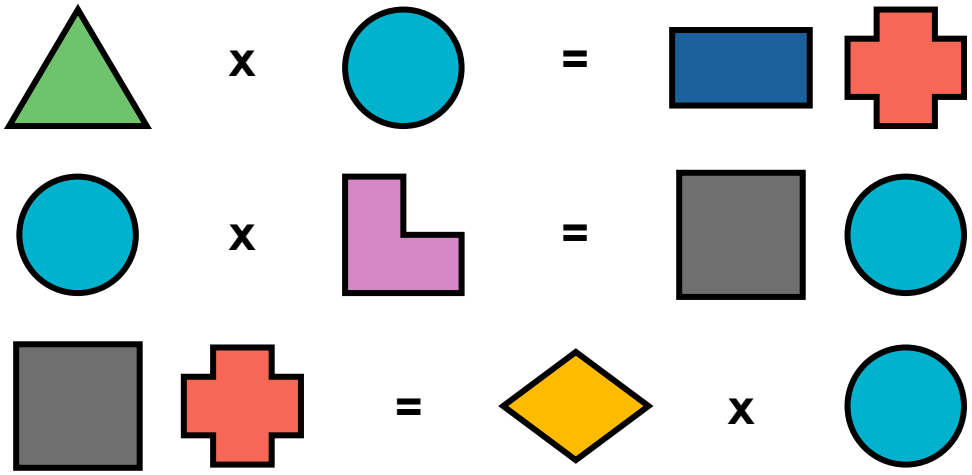


Which pairs of cards cannot be used?

PS

The 5 Times Table

Each shape below represents a different digit value.



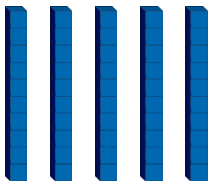
Investigate the different digits each shape could represent.

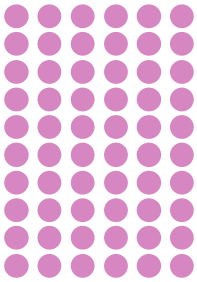
Shape							
Value	5						

The 10 Times Table

1. Which representation does not match the others?

A. 6 lots of 10

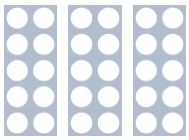
B. 

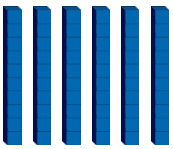
C. 

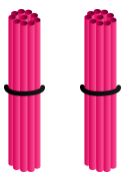
D. 6 x 10

VF

2. Use <, > or = to compare the statements below.

A.  ☐ 4 lots of 10

B. 6 x 10 ☐ 

C.  ☐ 0 x 10

VF

3. Use the digit cards to create a multiplication.

x	40	4	10	3

A. ☐ ☐ ☐ = ☐

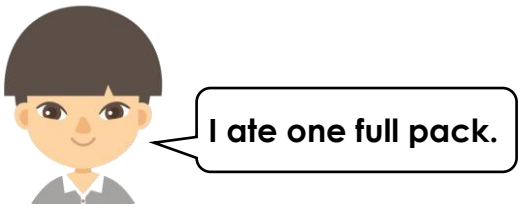
10	x	30	60	6

B. ☐ = ☐ ☐ ☐

VF

4. Raspberries are sold in packs of 10. Tim buys 50 raspberries.

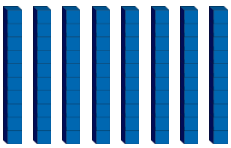
He says,



How many raspberries are left? Explain why.

R

5. Oliver thinks all the calculations below match the Base 10.



8 x 10	8 lots of 10	10 + 8

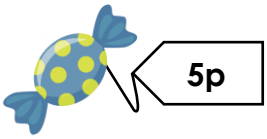
8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8

10 + 10 + 10 + 10 + 10 + 10 + 10 + 10

Is he correct? Explain why.

R

6. Lucy wants to spend all of the money below.



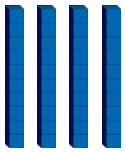
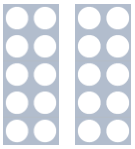
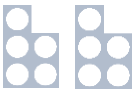
What could Lucy buy? Give 3 possible answers.

PS

The 10 Times Table

Explore the different ways you can make your way through the maze by following the multiples of 10.

Start →

five lots of ten		6 x 10	20	three times five
5 lots of 5	8 x 10		8 x 5	
6 lots of 10		nine times five		
4 x 10	65		2 lots of 10	50
	4 lots of 5	11 x 10		6 x 5

→ Finish