

Reasoning and Problem Solving

Step 8: The 5 Times Table

National Curriculum Objectives:

Mathematics Year 2: (2C6) [Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers](#)

Mathematics Year 2: (2C7) [Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication \(\$\times\$ \), division \(\$\div\$ \) and equals \(=\) signs](#)

Differentiation:

Questions 1, 4 and 7 (Problem Solving)

Developing Use the number cards to complete the calculation. Identify the card which cannot be used. Includes multiplying 5 by 1, 2, 3, 4, 5 and 10.

Expected Use the number cards to complete the calculation. Identify the card which cannot be used. Includes multiplying up to 5×12 .

Greater Depth Use the number cards to complete the calculation. Identify the card which cannot be used. Includes multiplying up to 5×20 by applying known times table facts.

Questions 2, 5 and 8 (Reasoning)

Developing Prove if a statement is correct by using the 5 times table. Includes multiplying 5 by 1, 2, 3, 4, 5 and 10.

Expected Prove if a statement is correct by using the 5 times table. Includes multiplying up to 5×12 .

Greater Depth Prove if a statement is correct by using the 5 times table. Includes multiplying up to 5×20 by applying known times tables facts.

Questions 3, 6 and 9 (Reasoning)

Developing Identify the number which does not fit the given criteria. Includes multiplying 5 by 1, 2, 3, 4, 5 and 10.

Expected Identify the number which does not fit the given criteria. Includes multiplying up to 5×12

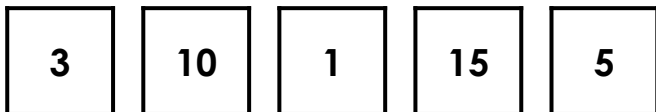
Greater Depth Identify the number which does not fit the given criteria. Includes multiplying up to 5×20 by applying known times tables facts.

[More resources](#) which follow the same small steps as White Rose.

Did you like this resource? Don't forget to [review](#) it on our website.

The 5 Times Table

1a. Fill in the boxes using the cards.



$$\square \times 5 = \square$$

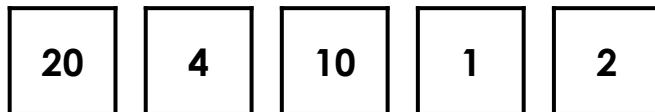
Which card cannot be used?



PS

The 5 Times Table

1b. Fill in the boxes using the cards.



$$\square \times 5 = \square$$

Which card cannot be used?



PS

2a. Seth bakes 20 cookies.

He gives an equal amount to 5 of his friends.

Seth says,



They all got 4 cookies each.

Is he correct? Prove it.



R

2b. Tia has a bag of 25 marbles

She puts an equal amount of marbles into 5 tubs.

Tia says,



Each tub has 5 marbles.

Is she correct? Prove it.



R

3a. I am thinking of a number in the 5 times tables.

It's bigger than 1 but smaller than 25.

Circle the number below that I cannot be thinking of.



Explain your reasoning.



R

3b. I am thinking of a number in the 5 times tables.

It's bigger than 1 but smaller than 25.

Circle the number below that I cannot be thinking of.



Explain your reasoning.



R

The 5 Times Table

The 5 Times Table

4a. Fill in the boxes using the cards.



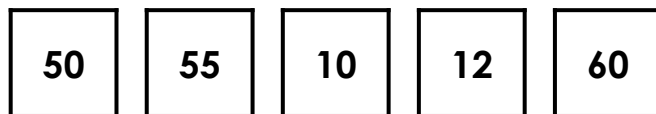
$$\square \times 5 = \square$$

Which card cannot be used?



PS

4b. Fill in the boxes using the cards.



$$\square \times 5 = \square$$

Which card cannot be used?



PS

5a. Danny has a packet of 40 seeds.

He plants an equal amount of seeds into 5 flower boxes.

Danny says,



There are 8 seeds in each flower box.

Is he correct? Prove it.



R

5b. Lisa has a box of 30 glue sticks.

She puts an equal amount of glue sticks on to 5 of the tables in the classroom.

Lisa says,



Each table has 5 glue sticks.

Is she correct? Prove it.



R

6a. I am thinking of a number in the 5 times tables.

It's bigger than 40 but smaller than 65.

Circle the number below that I cannot be thinking of.



Explain your reasoning.



R

6b. I am thinking of a number in the 5 times tables.

It's bigger than 30 but smaller than 55.

Circle the number below that I cannot be thinking of.



Explain your reasoning.



R

The 5 Times Table

The 5 Times Table

7a. Fill in the boxes using the cards.



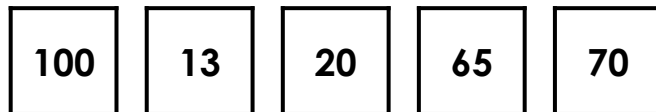
$$\square \times 5 = \square$$

Which card cannot be used?



PS

7b. Fill in the boxes using the cards.



$$\square \times 5 = \square$$

Which card cannot be used?



PS

8a. Oscar has a bag of 80 carrots.

He gives an equal amount of carrots to 5 horses on his farm.

Oscar says,



Each horse has 17 carrots.

Is he correct? Prove it.



R

8b. Bella has a tub of 90 chocolate curls.

She puts an equal amount of chocolate curls on top of 5 cakes.

Bella says,



There are 15 curls on each cake.

Is she correct? Prove it.

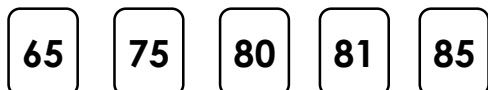


R

9a. I am thinking of a number in the 5 times tables.

It's bigger than 60 and it is in the ten times tables.

Circle the number below that I must be thinking of.



Explain your reasoning.



R

9b. I am thinking of a number in the 5 times tables.

It's bigger than 75 and it is in the two times tables.

Circle the numbers below that I cannot be thinking of.



Explain your reasoning.



R

Reasoning and Problem Solving The 5 Times Table

Developing

- 1a. $3 \times 5 = 15$; $1 \times 5 = 5$. The card 10 cannot be used.
2a. Seth is correct because $5 \times 4 = 20$.
3a. 22 because this number is not in the 5 times table.

Expected

- 4a. $7 \times 5 = 35$; $9 \times 5 = 45$. The card 8 cannot be used.
5a. Danny is correct because $5 \times 8 = 40$
6a. 40 because this number is not bigger than 40.

Greater Depth

- 7a. $15 \times 5 = 75$; $17 \times 5 = 85$. The card 65 cannot be used.
8a. Oscar is not correct. Each horse has 16 carrots because $16 \times 5 = 80$.
9a. 80 because this number is a multiple of 5 and 10.

Reasoning and Problem Solving The 5 Times Table

Developing

- 1b. $4 \times 5 = 20$; $2 \times 5 = 10$. The card 1 cannot be used.
2b. Tia is correct because $5 \times 5 = 25$.
3b. 30 because this number is bigger than 25.

Expected

- 4b. $10 \times 5 = 50$; $12 \times 5 = 60$. The card 55 cannot be used.
5b. Lisa is not correct. Each table got 6 glue sticks because $5 \times 6 = 30$.
6b. 42 because this number is not in the 5 times table.

Greater Depth

- 7b. $13 \times 5 = 65$; $20 \times 5 = 100$. The card 70 cannot be used.
8b. Bella is not correct. There are 18 curls on each cake because $18 \times 5 = 90$.
9b. 75, 85 and 95 because they are not in the two times tables.