Homework/Extension
Step 11: Multiply and Divide by 7

National Curriculum Objectives:

Mathematics Year 4: (4N1) Count in multiples of 6, 7, 9, 25 and 1000
Mathematics Year 4: (4C6a) Recall multiplication and division facts for multiplication tables up to 12 × 12

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Match the statement to the correct total. Involving multiplying and dividing by 7 up to 12 x 7. Includes pictorial support.
Expected Match statements to the correct totals. Involving multiplying and dividing by 7 up to 12 x 7. Includes scaffolding or pictorial support where needed.
Greater Depth Match the statement to the correct total. Involving multiplying and dividing by 7 up to 12 x 7. No pictorial support.

Questions 2, 5 and 8 (Varied Fluency)
Developing Complete the division circle by dividing the outer numbers by 7. Includes pictorial support.
Expected Complete the division circle by dividing the outer numbers by 7. Includes scaffolding or pictorial support where needed.
Greater Depth Complete the division circle by dividing the outer numbers by 7. No pictorial support.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Explain whether a statement is correct using knowledge of multiplying by 7 up to 12 x 7. Includes pictorial support.
Expected Explain whether a statement is correct using knowledge of multiplying by 7 up to 12 x 7. Includes scaffolding or pictorial support where needed.
Greater Depth Explain whether a statement is correct using knowledge of multiplying by 7 up to 12 x 7. No pictorial support.

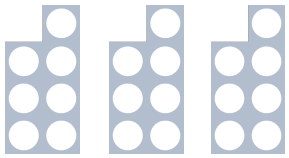
More Year 4 Multiplication and Division resources.

Did you like this resource? Don't forget to review it on our website.

Multiply and Divide by 7

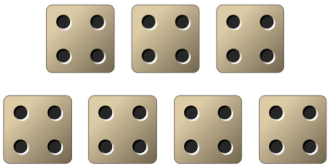
1. Match the statements to the correct totals.

A.



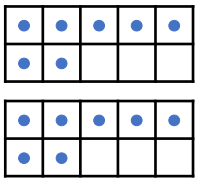
3 number pieces each with 7.

B.



4 spots on each of 7 dice.

C.



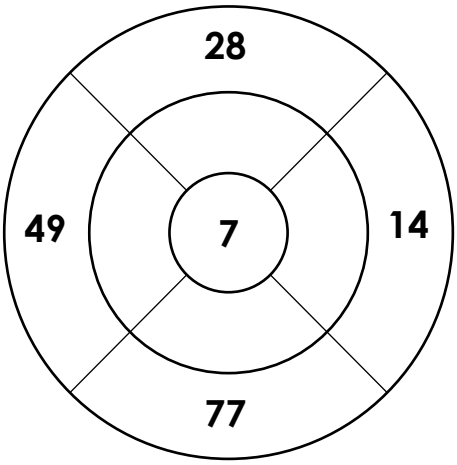
2 tens frames each with 7 counters.

14	21	28

D

VF
HW/Ext

2. Complete the division circle by dividing the outer numbers by 7.



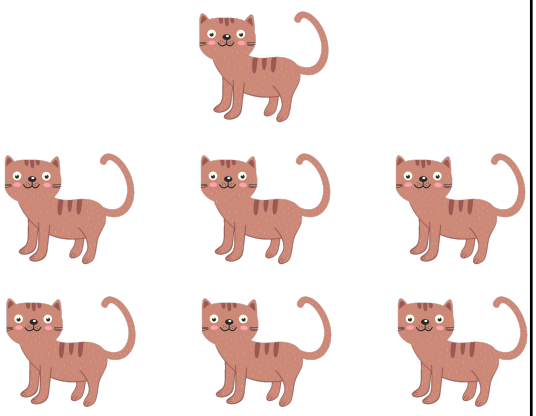
D

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

VF
HW/Ext

3. Shazia is counting whiskers. There are 7 cats at the cattery. She says,

There will be 36 cat whiskers altogether.



Is she correct? Explain your answer.

D

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

RPS
HW/Ext

Multiply and Divide by 7

4. Match the statements to the correct totals.

A. 7 jars each with 4 sweets.

B. 7 flowers with 8 petals each.

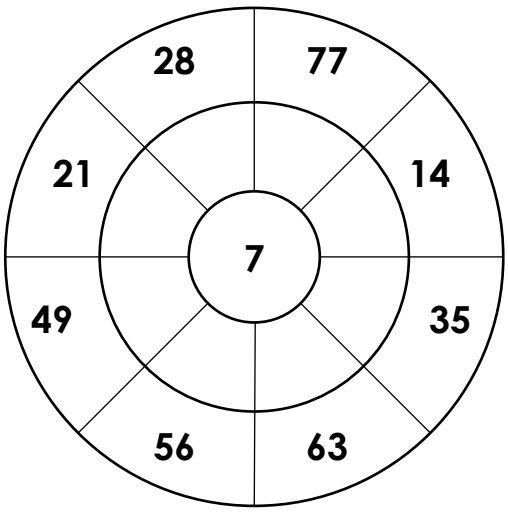
C. 7 packs each have 6 pencils.

56	42	28

E

VF
HW/Ext

5. Complete the division circle by dividing the outer numbers to fill in the gaps.



E

VF
HW/Ext

6. Lucy visits the pet shop to buy some fish for her new tropical tank. She says,

I would like to buy 7 of each type of fish. I will have 56 fish in my tropical tank.

Is she correct? Explain your answer.

E

RPS
HW/Ext

Multiply and Divide by 7

7. Match the statements to the correct totals.

A. 3 battery packs each with 7 batteries and two more battery packs.

B. 4 flowers each with 7 petals and 7 flowers each with 6 petals.

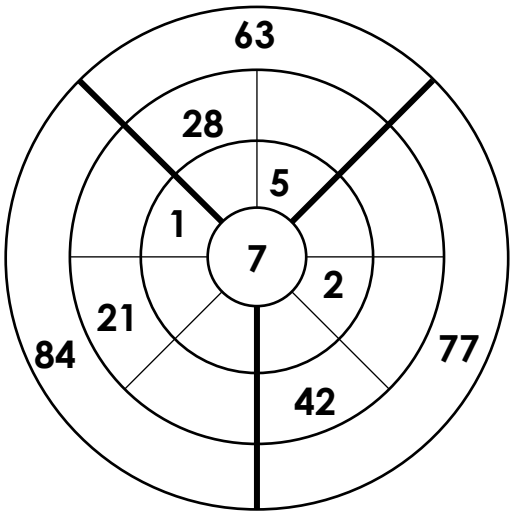
C. 6 children have 7 stickers each. 14 stickers left over.

70	56	35

GD

VF
HW/Ext

8. Complete the division circle by using multiplication and division facts from the seven times table. The outer ring is the total of the numbers in the second ring.



GD

VF
HW/Ext

9. Walter visits the bakery to buy some bread for his birthday party. He says,

I will buy sixty bread buns. Each guest needs one bread bun. There are eight tables of seven seats, so I will have seven bread buns left over.

Is he correct? Explain your answer.

GD

RPS
HW/Ext

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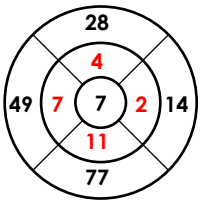
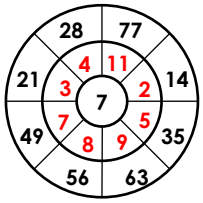
Developing

1. A. 21; B. 28; C. 14
2. 

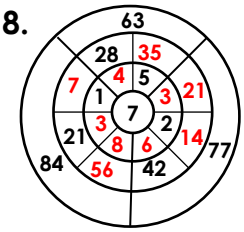
3. No, because each cat has 6 whiskers, so 7 x 6 = 42 whiskers.

Expected

4. A. 28; B. 56; C. 42
5. 

6. No, she is not correct. 7 x 7 = 49.

Greater Depth

7. A = 35; B = 70; C = 56
8. 

9. No, because 8 x 7 = 56 seats, so 60 bread buns subtract 56 = 4 left over.