## National Curriculum Objectives:

Mathematics Year 3: (3C6) Recall and use multiplication and division facts for the 3,4 and 8 multiplication tables
Mathematics Year 3: (3C7) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

## Differentiation:

Questions 1, 4 and 7 (Reasoning)
Developing Solve and explain a problem by dividing a 2 -digit number by a 1 -digit number. Supported with pictorial representations and scaffolding. No remainders are used. Expected Solve and explain a problem by dividing a 2 -digit number by a 1 -digit number. Supported with pictorial representations. No remainders are used.
Greater Depth Solve and explain a problem by dividing a 2 -digit number by a 1 -digit number. Children create their own pictorial representation. No remainders are used.

Questions 2, 5 and 8 (Problem Solving)
Developing Arrange digit cards to divide a 2 -digit number by a 1 -digit number. Supported with pictorial support and partially completed scaffolding.
Expected Arrange digit cards to divide a 2-digit number by a 1 -digit number. Blank scaffolding provided.
Greater Depth Arrange digit cards to divide a 2-digit number by a 1 -digit number. No frames provided.

Questions 3, 6 and 9 (Problem Solving)
Developing Sort calculations to compare two divisions of 2-digit numbers by a 1 -digit number. Supported with pictorial representations.
Expected Sort calculations to compare two divisions of 2-digit numbers by a 1 -digit number. Supported with partially completed scaffolded number sentences.
Greater Depth Sort number and operation cards to compare two divisions of 2-digit numbers by 1 -digit numbers.

More Year 3 Multiplication and Division resources.

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

## Divide 2 Digits by 1 Digit 2

1a. During art class, 60 pencils are shared equally between 5 children. They think they will get 11 each.


Use the partitioning method to work out if the children are correct. Explain your answer.

2a. Here are some digit cards.


Use the partitioning method to complete two number sentences with these cards.


3a. Sort the calculations and symbols to create two comparison statements.


1b. At breaktime, 26 apples are shared between 2 classes. The children think there will be 12 apples for each class.


Use the partitioning method to work out if the children are correct. Explain your answer.
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2b. Here are some digit cards.


Use the partitioning method to complete two number sentences with these cards.


3b. Sort the calculations and symbols to create two comparison statements.


4a. Thomas has 96 sweets that he shares equally between himself and 3 friends. He thinks they will have 20 sweets each.


Use the partitioning method to work out if Thomas is correct. Explain your answer.

5a. Here are some digit cards.
60


Use the partitioning method to complete two number sentences with these cards.


6a. Dividing by $2,3,4,5$, or 8 with no remainders, insert the missing numbers or symbols to complete the comparison statements below.


4b. A teacher has 72 pencils that they share equally between 8 pupils. The children think they will have 10 pencils each.


Use the partitioning method to work out if the children are correct. Explain your answer.

5b. Here are some digit cards.


Use the partitioning method to complete two number sentences with these cards.


6b. Dividing by 2, 3, 4, 5, or 8 with no remainders, insert the missing numbers or symbols to complete the comparison statements below.
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## Divide 2 Digits by 1 Digit 2

7a. At breakfast club, 90 slices of toast were shared equally between 5 plates. The children think there will be 16 slices on each plate.


Explain your answer and, using the partitioning method, draw a pictorial representation to show your calculation.

8a. Here are some digit cards.


Use the partitioning method to find two different division number sentences with these cards.

9a. Use all the cards below to create a two-step comparison statement.


## Reasoning and Problem Solving

 Divide 2 Digits by 1 Digit 2
## Reasoning and Problem Solving

 Divide 2 Digits by 1 Digit 2
## Developing

1b. No, they are not correct because $26 \div$
$2=13$ (partitioned as $20 \div 2+6 \div 2$ ).
2b. $64 \div 8=8,48 \div 3=16$
3b. $45 \div 3=15=30 \div 2=15$
$24 \div 2=12<70 \div 5=14$

## Expected

4b. No, they are not correct because $72 \div$ $8=9$ ( 72 partitioned as $40 \div 8$ and $32 \div 8$ ).
5b. $72 \div 8=9,72 \div 4=18$
6b. A. $80 \div 5=16=32 \div 2=16$;
B. $76 \div 2=38<80 \div 2=40$;
C. $96 \div 8=12<65 \div 5=13$;
D. Various answers, for example: $96 \div 8$ $=12,88 \div 8=11,80 \div 8=10,72 \div 8=9,64 \div$ $8=8$

## Greater Depth

7b. No, they are not correct because $78 \div$ $3=26(78$ partitioned as $60 \div 3+18 \div 3)$.
8b. $96 \div 8=12$ or $96 \div 12=8,90 \div 5=18$
9b. $75 \div 5 \div 5=3<84 \div 4 \div 3=7$

