Homework/Extension
Step 4: Related Facts

National Curriculum Objectives:

Mathematics Year 2: (2C1) Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Connect the calculations to their answers and the related number facts, using addition facts to 100.
Expected Connect the calculations to their answers and the related number facts, using addition and subtraction facts to 100.
Greater Depth Connect the calculations to their answers and the related number facts, using addition and subtraction facts to 100, where a change occurs in one or both place value columns, i.e. 3 + 4 = 7, 30 + 40 = 70, 33 + 44 = 77

Questions 2, 5 and 8 (Varied Fluency)
Developing Complete two sets of calculations, the first by using addition facts to 10 and the second by using related addition facts to 100.
Expected Complete two sets of calculations, the first by using addition and subtraction facts to 10 and the second by using related addition and subtraction facts to 100.
Greater Depth Complete two sets of calculations, the first by using addition facts to 10 and the second by using related addition facts to 100, where a change occurs in one or both place value columns, i.e. 3 + 4 = 7, 30 + 40 = 70, 33 + 44 = 77

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Identify the related addition fact to 10 needed to find the total of two objects and use the related addition fact to 100 to explain the answer. Number facts provided for support.
Expected Identify the related addition fact to 10 needed to find the total of two objects and use the related addition fact to 100 to explain the answer.
Greater Depth Identify the related addition fact to 10 needed to find the total of two objects and use the related addition fact to 100 to explain the answer, where a change occurs in one or both place value columns, i.e. 3 + 4 = 7, 30 + 40 = 70, 33 + 44 = 77

More Year 2 Addition and Subtraction resources.

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

classroomsecrets.co.uk

Related Facts

1. Connect the calculations to their answer and the related number sentence. Fill in the missing numbers.

5 + 2 =	6	30 + 30 =	
3 + 3 =	7	50 + 20 =	60
2 + 6 =		40 + 50 =	80
4 + 5 =	8	20 + 60 =	90

2. Complete A. Use your answers to complete B.

A.

3	+	4	=	
8	+	1	=	
6	+	2	=	
5	+	4	=	
2	+	4	=	

B.

3	0	+	4	0	=		
8	0	+	1	0	=		
6	0	+	2	0	=		
5	0	+	4	0	=		
2	0	+	4	0	=		

3. Which related number fact will Siobhan need to work out how much the pear and the apple cost altogether?

50p

40p

□ + □ = □

| 5 + 4 = | 5 + 5 = | 4 + 4 = |

How much would they cost? Convince me!

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Homework/Extension – Related Facts – Year 2 Developing

Related Facts

4. Connect the calculations to their answer and the related number sentence. Fill in the missing numbers.

3 + 2 =	4	30 + 20 =	
8 − 2 =	8	90 − 50 =	50
9 − 5 =	6	80 − 20 =	40
7 + 1 =		70 + 10 =	80

5. Complete A. Use your answers to complete B.

A.

| 3 | + | 4 | = | |

| 8 | − | 5 | = | |

| 6 | + | 2 | = | |

| 9 | − | 5 | = | |

| 6 | − | 4 | = | |

B.

| 3 | 0 | + | 4 | 0 | = | | |

| 8 | 0 | − | 5 | 0 | = | | |

| 6 | 0 | + | 2 | 0 | = | | |

| 9 | 0 | − | 5 | 0 | = | | |

| 6 | 0 | − | 4 | 0 | = | | |

6. What related number fact will Wahid need to work out how much the two sweets cost altogether?

60p   30p

☐ + ☐ = ☐

How much would they cost? Convince me!

Related Facts

7. Connect the calculations to their answer and the related number sentence. Fill in the missing numbers.

7 − 5 =		33 + 66 =	
3 + 6 =	2	77 − 55 =	99
2 + 6 =	8	99 − 66 =	
9 − 6 =		22 + 66 =	33

GD

VF
HW/Ext

8. Complete A. Use your answers to complete B.

A.

3	+	4	=	
9	−	5	=	
6	+	3	=	
8	−	5	=	
7	−	2	=	

B.

3	3	+	4	4	=		
9	9	−	5	5	=		
6	6	+	3	3	=		
8	8	−	5	5	=		
7	7	−	2	2	=		

GD

VF
HW/Ext

9. What related number fact will Anya need to work out how much the two cakes cost altogether?

55p   33p
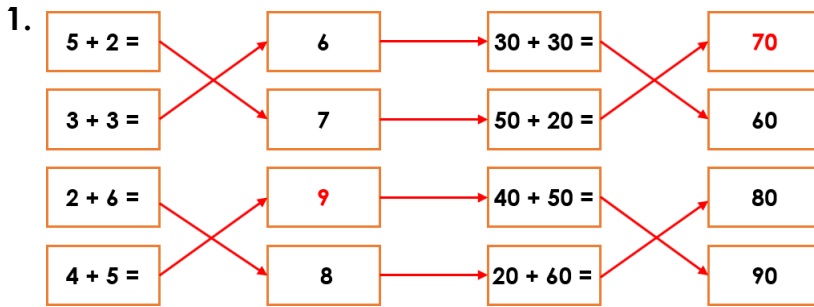
☐ + ☐ = ☐

How much would they cost? Convince me!

GD

RPS
HW/Ext

Homework/Extension – Related Facts – Year 2 Greater Depth

Developing

1.

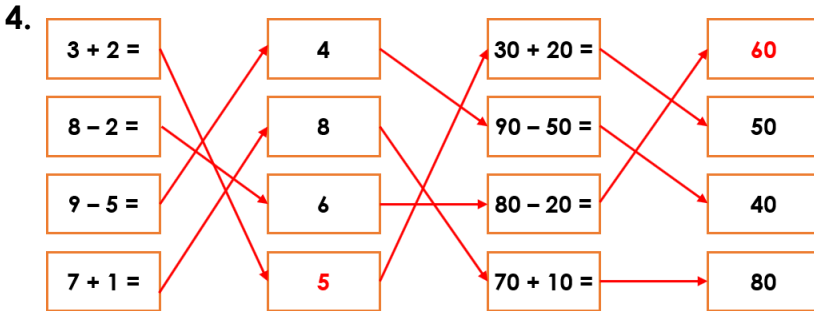| 5 + 2 = | | 6 | | 30 + 30 = | | **70** |
3 + 3 =		7		50 + 20 =		60
2 + 6 =		**9**		40 + 50 =		80
4 + 5 =		8		20 + 60 =		90

2. A: 7, 9, 8, 9, 6
B. 70, 90, 80, 90, 60
3. 5 + 4
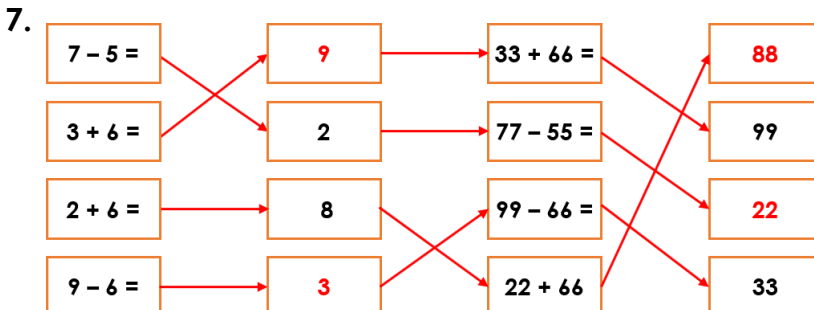**They will cost 90p. 50 + 40 is the same as 5 tens + 4 tens. 5 + 4 = 9 so 5 tens + 4 tens = 9 tens, which is 90.**

Expected

4.

3 + 2 =		4		30 + 20 =		**60**
8 − 2 =		8		90 − 50 =		50
9 − 5 =		6		80 − 20 =		40
7 + 1 =		**5**		70 + 10 =		80

5. A: 7, 3, 8, 4, 2
B: 70, 30, 80, 40, 20
6. 6 + 3 = 9
They will cost 90p. 60 + 30 is the same as 6 tens + 3 tens. 6 + 3 = 9 so 6 tens + 4 tens = 9 tens, which is 90.

Greater Depth

7.

7 − 5 =		**9**		33 + 66 =		**88**
3 + 6 =		2		77 − 55 =		99
2 + 6 =		8		99 − 66 =		**22**
9 − 6 =		**3**		22 + 66		33

8. A: 7, 4, 9, 3, 5
B: 77, 44, 99, 33, 55
9. 5 + 3 = 8
They will cost 88p. 55 + 33 is the same as 5 tens + 3 tens + 5 ones + 3 ones. 5 + 3 = 8 so 55 + 33 = 88.