One Summer's Day

Ella and Kristen are sitting under a tree having a conversation.

Ella: Wow, it's hot today isn't it?

Kristen:

Ella: That sounds like a nice way to cool off. Where are you going to go?
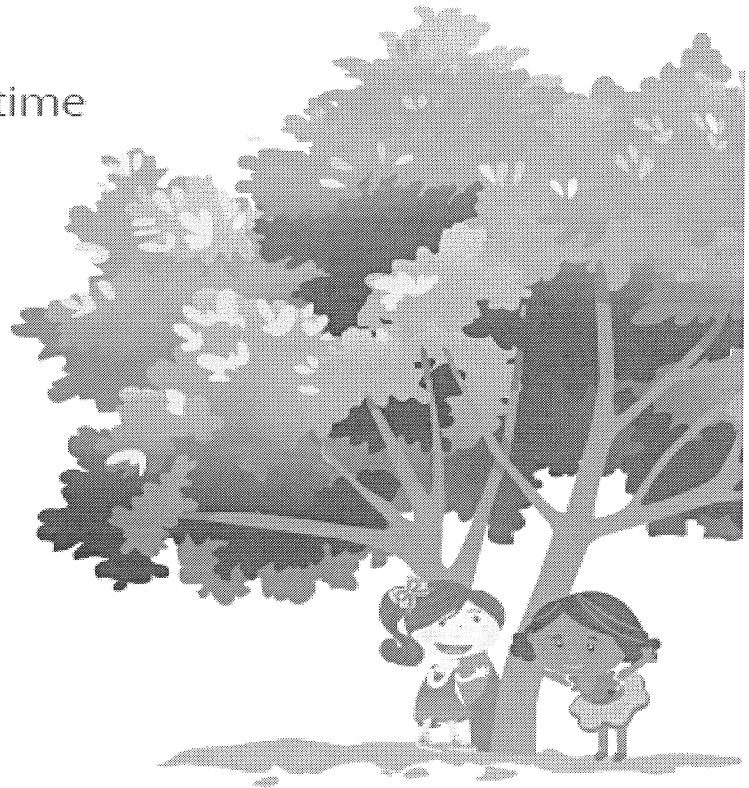
Kristen:

Ella: I'd love to, but I didn't bring my swimmers. Thank you, though. You're so lucky to have a pool. Do you use it often?

Kristen:

Ella: I would use it all the time too, if I had a pool.

Kristen:

Ella: Thank you, I would love to come for a swim tomorrow.

Name _____   Date _____

One Summer's Day

1. Use Ella's questions and responses to help you infer what Kristen was saying.
    Write her dialogue in the blank spaces.

    Ella: Wow, it's hot today isn't it? _____

    Kristen: _____

    Ella: That sounds like a nice way to cool off. Where are you going to go?

    Kristen: _____

    Ella: I'd love to, but I didn't bring my swimmers. Thank you though. You're so lucky to have a pool. Do you use it often?

    Kristen: _____

   **Ella:** I would use it all the time too if I had a pool.

    Kristen: _____

    Ella: Thank you, I would love to come for a swim tomorrow.

2. Does Kristen have a pool at home? How do you know?

    _____

    _____

    _____

3. How often does Kristen use the pool? How do you know?

    _____

    _____

    _____

4. When did Kristen ask Ella to go for a swim?

    _____

    _____

    _____

4. Lindsey caught the train from her house to the city. She went through 4 zones. Each zone costs $3.35. How much did the whole trip cost her?
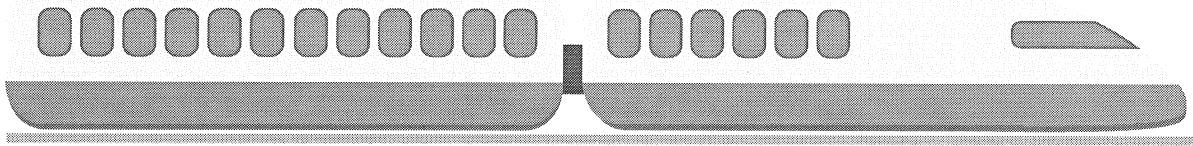
5. The airline bought 6 new planes for $385 780 each. They had to spend $12 000 on each plane to put their logo on the side. How much did they spend on the planes altogether?
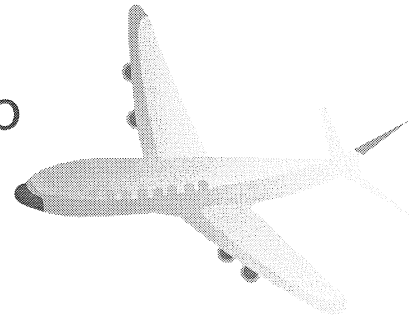
6. Chloe was tiling her bathroom. She needed 105 tiles to complete the job. They come in boxes of 14. How many boxes does she need to order to make sure she has enough to tile her bathroom?
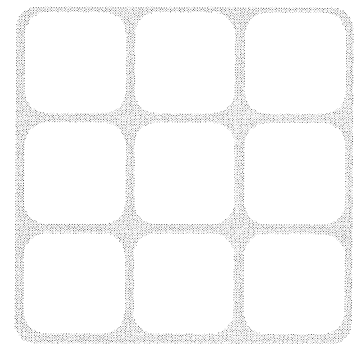
Subtraction mental strategies – compensation strategy

Sometimes we round one number in the problem to make it easier to do in our heads. Then we adjust our answer to compensate:

$486 - 59 = \boxed{427}$

$486 - 60(+1)$ *I rounded up by 1, which means I subtracted*

$426(+1) = 427$ *1 extra so we need to add 1 back.*

I took off 1 extra so I have to add 1 back.

THINK

1   Round these numbers to the closest ten. Then compensate by subtracting or adding to get back to the first number. The first one is done for you.

a   93 = ___90 + 3___   b   48 = _____   c   52 = _____   d   76 = _____

e   57 = _____   f   37 = _____   g   27 = _____   h   68 = _____

2   Solve these subtraction problems using compensation. Show all your working out:

a   585 − 78   = [   ]   b   894 − 71   = [   ]   c   163 − 149   = [   ]

585 − 80 (+ 2)   894 − 70 (− 1)   163 − 150 (+ 1)

_____ ◯ = _____   _____ ◯ = _____   _____ ◯ = _____

3   Solve these problems using compensation. Decide if you need to round up or down and compensate accordingly:

a   555 − 63   b   775 − 98   c   644 − 139

d   594 − 329   e   432 − 204

You can solve these in your head or make notes as you go. Do whatever works for you.

REMEMBER

Subtraction mental strategies – compensation strategy

Wally the work experience boy has solved these. He is very chuffed because he solved them all correctly. Can you use his working out to establish what the original questions were?

a [454] – [   ] = [427]

454 – 30 = 424 + 3 = 427

b [   ] – [   ] = [   ]

568 – 310 = 258 + 2 = 260

c [   ] – [   ] = [   ]

994 – 80 = 914 + 2 = 916

d [   ] – [   ] = [   ]

678 – 450 = 228 – 2 = 226

e [   ] – [   ] = [   ]

684 – 60 = 624 + 1 = 625

f [   ] – [   ] = [   ]

348 – 130 = 218 + 2 = 220

Use the compensation method to count backwards and complete these number patterns.

17 is close to 20 so I will subtract 20 and add 3.
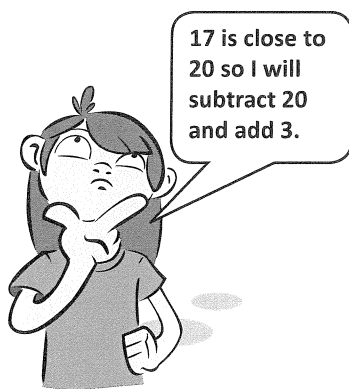
THINK

– 17	– 21	– 98	– 33
600	124	395	800
583	103	[ ]	[ ]
[ ]	[ ]	199	[ ]
549	[ ]	[ ]	[ ]

These subtraction problems have been partially solved using compensation. Colour match the steps that were used and complete the missing parts. The first one has been done for you:

$4.50 – $2.75	$5.70 – $3.00 = $2.70	$2.45 + _____ =	[ ]
$10.00 – $6.25	$4.50 – $3.00 = $1.50	$4.25 + _____ =	[ ]
$5.70 – $3.05	$17.25 – $13.00 = $4.25	$1.50 + _____ =	[ ]
$17.25 – $12.90	$9.45 – $7.00 = $2.45	$4.00 – _____ =	[ ]
$9.45 – $6.85	$10.00 – $6.00 = $4.00	$2.70 – _____ =	$1.75

Addition and Subtraction
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