

Subtract a 2-digit number from a 3-digit number – crossing 100



1 Use base 10 to make the number 235

a) Complete the subtraction.

$$235 - 20 = \boxed{215}$$

b) Complete the subtraction.

$$235 - 30 = \boxed{205}$$

c) Show how you can work out $235 - 50$ using base 10

Talk to a partner about how you did it.

d) Complete the number sentences.

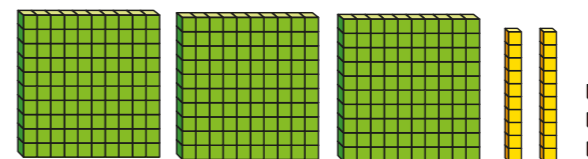
$$235 - 50 = \boxed{185}$$

$$235 - 70 = \boxed{165}$$

$$235 - 90 = \boxed{145}$$

2 Complete the number sentences.

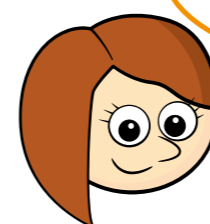
$$\text{a) } 323 - 60 = \boxed{263}$$



$$\text{b) } 712 - 40 = \boxed{672}$$

H	T	O
100 100	10	1 1
100 100		
100 100		
100		

3



You can't subtract 70 from 624 as you don't have enough tens.

H	T	O
100 100	10 10	1 1
100 100		1 1
100 100		

Rosie is wrong.

How do we know?

You can exchange 1 hundred for 10 tens and then subtract 70





4 Complete the number sentences.

a) $720 - 60 =$ 660

b) $338 - 40 =$ 298

c) $248 - 60 =$ 188

d) $937 - 50 =$ 887

e) $716 - 50 =$ 666

f) 438 $= 528 - 90$

g) $319 - 20 =$ 299

h) $703 - 80 =$ 623

5 The answer to each of these subtractions is 358
Find the possible missing digits.

$4\textcolor{blue}{0}8 - \textcolor{blue}{5}0 = 358$

$4\textcolor{blue}{1}8 - \textcolor{blue}{6}0 = 358$

$4\textcolor{blue}{2}8 - \textcolor{blue}{3}0 = 358$

$4\textcolor{blue}{3}8 - \textcolor{blue}{8}0 = 358$

$4\textcolor{blue}{4}8 - \textcolor{blue}{9}0 = 358$

6 Nijah is working out $524 - 80$ in her head.

She says the answer is 464

What mistake do you think Nijah has made?

Talk to a partner.



7 Complete the calculations.

a) $758 -$ 50 $= 708$

b) $612 -$ 80 $= 532$

c) $129 -$ 60 $= 69$

d) $807 -$ 30 $= 777$

e) $163 = 253 -$ 90

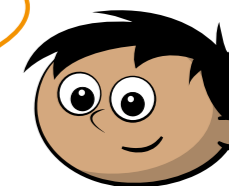
f) 421 $- 80 = 341$

g) 673 $- 70 = 603$

h) 518 $- 40 - 30 = 448$

8 Amir is thinking of a number.

If I subtract 20 I don't have to make an exchange. If I subtract 70 I have to make 1 exchange.



How many tens could Amir's number have?

Give reasons for your answer.

Either 2, 3, 4, 5 or 6 tens.
