Nom : Prénom :

Classe : 2C N° :

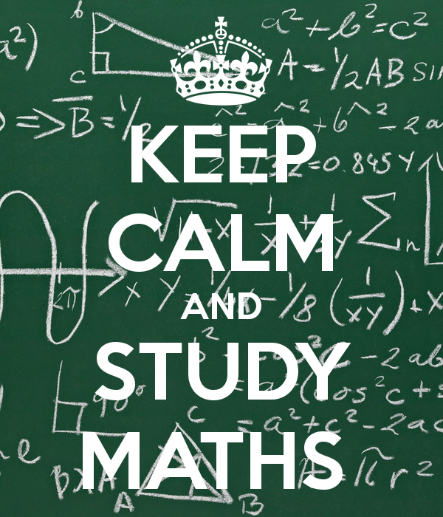
Dossier de révisions à faire régulièrement (à domicile, à l’étude, en remédiation, etc.)

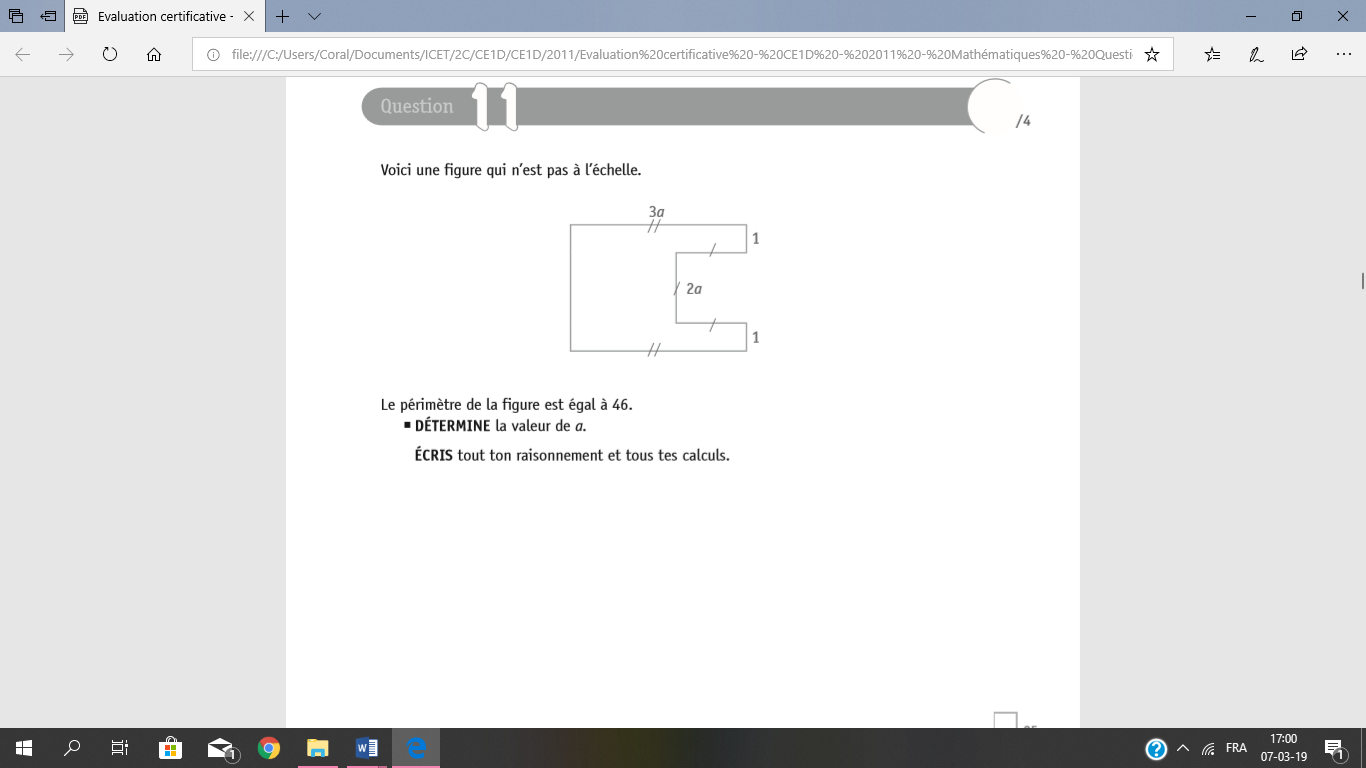


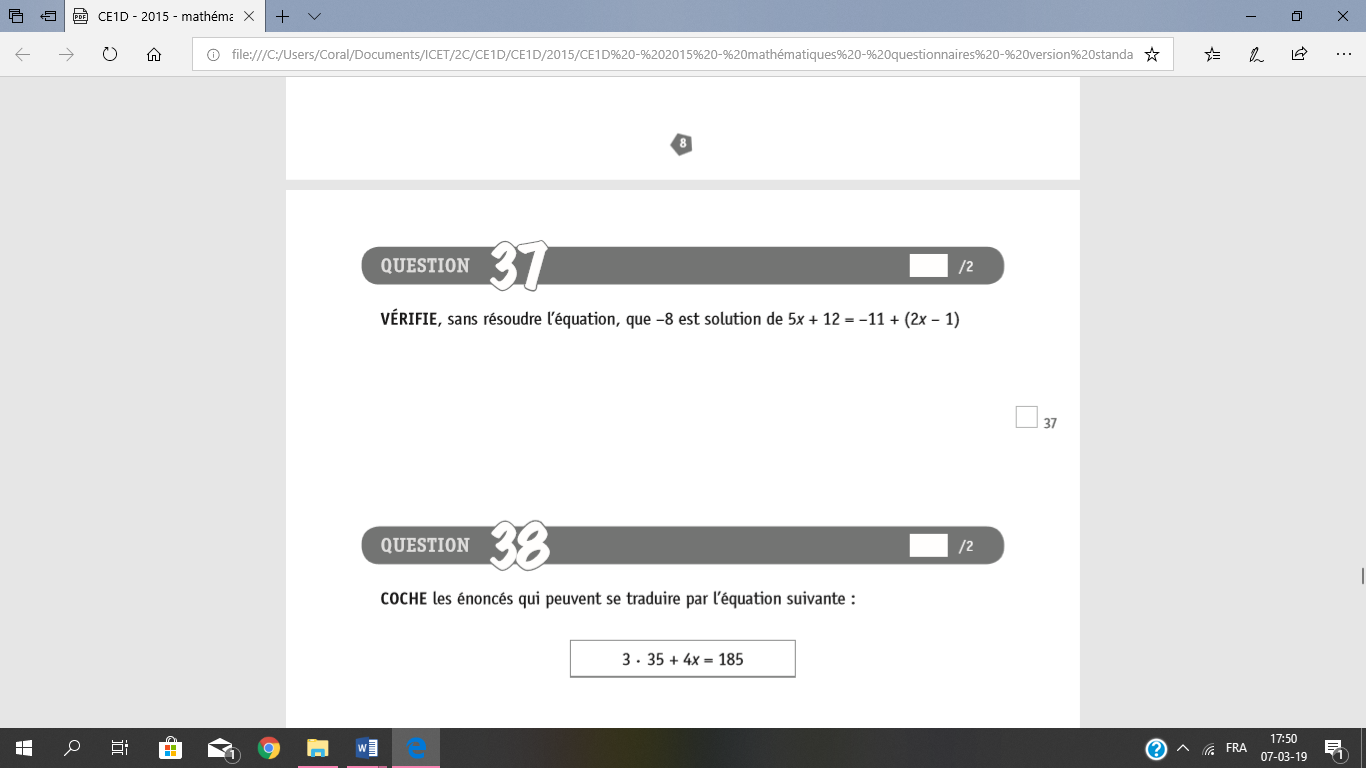
Limite-toi à une page par jour, cela est suffisant.

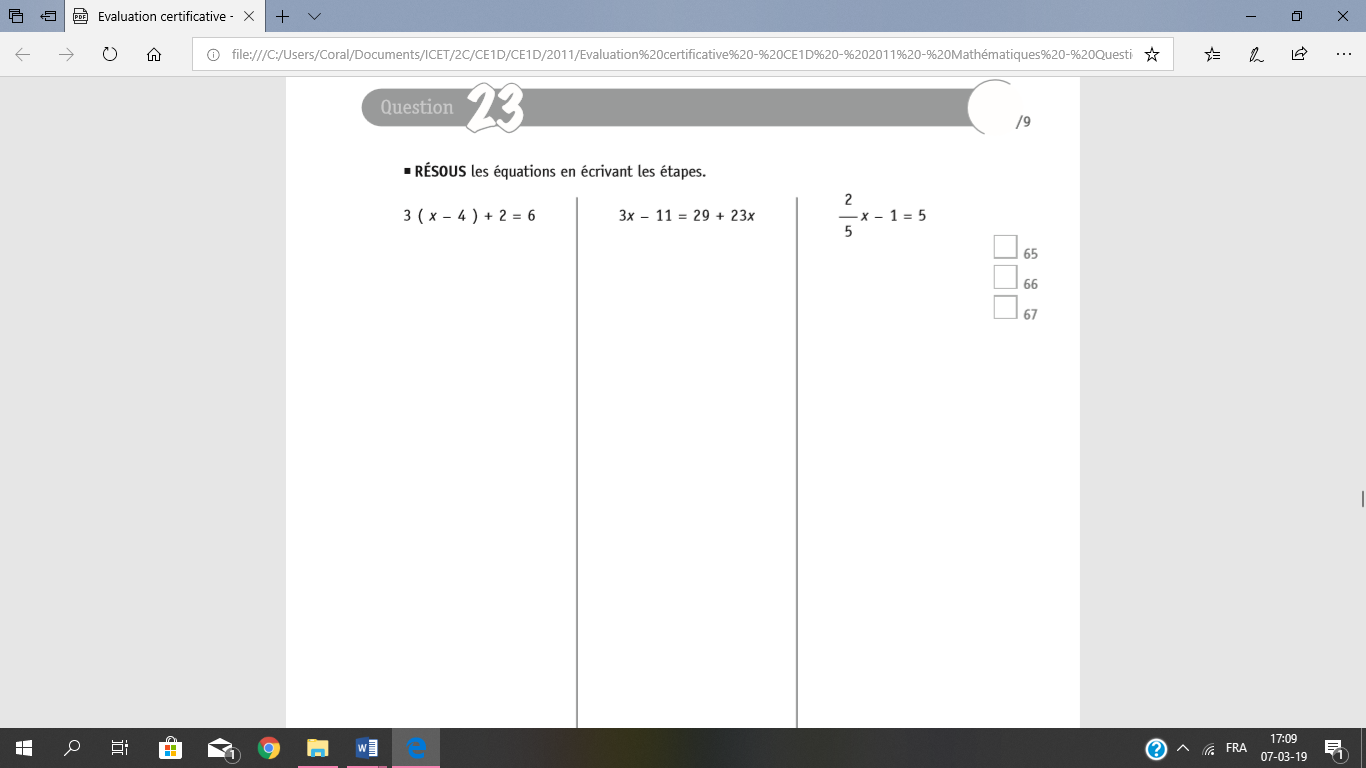
Fais ça de ton mieux et n’hésite pas à utiliser tous les outils à ta disposition.

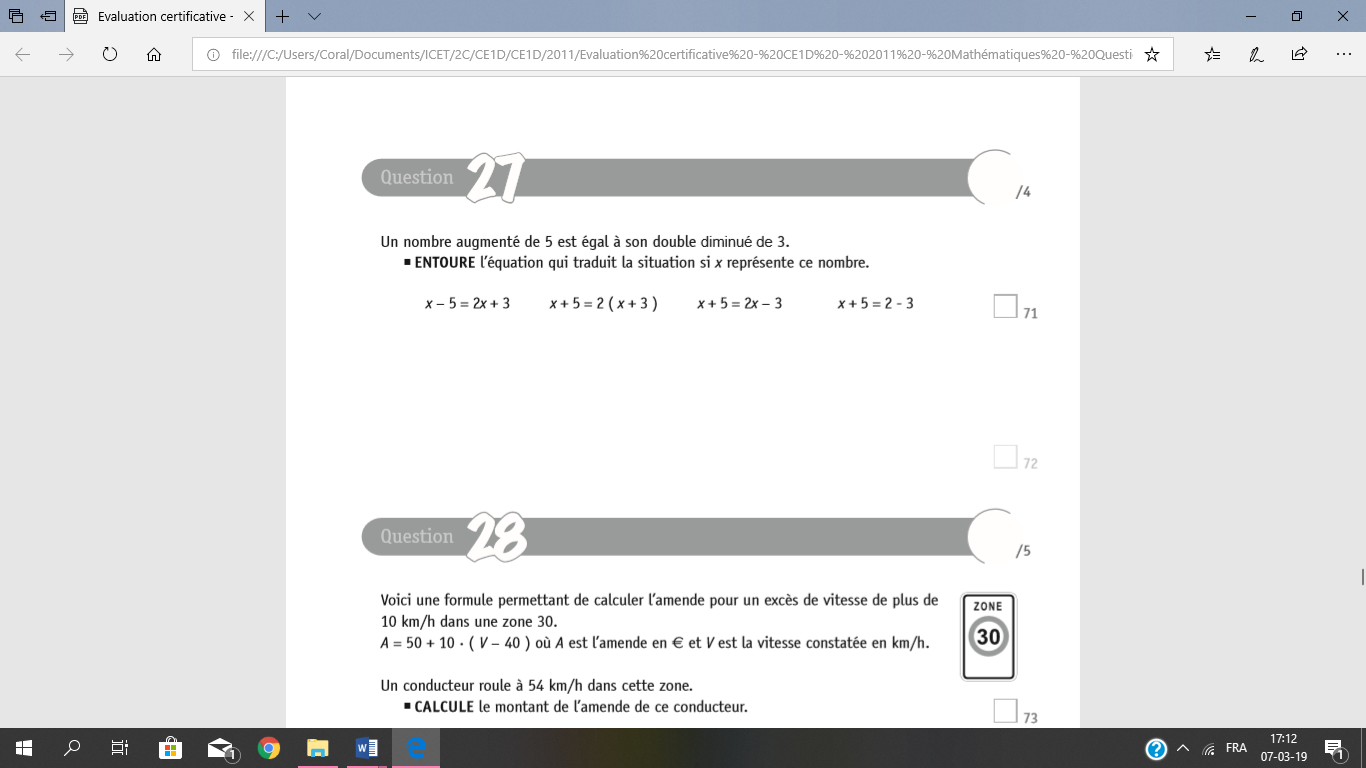
Un logo te permettra de reconnaitre les énoncés où tu peux te servir d’une calculatrice.

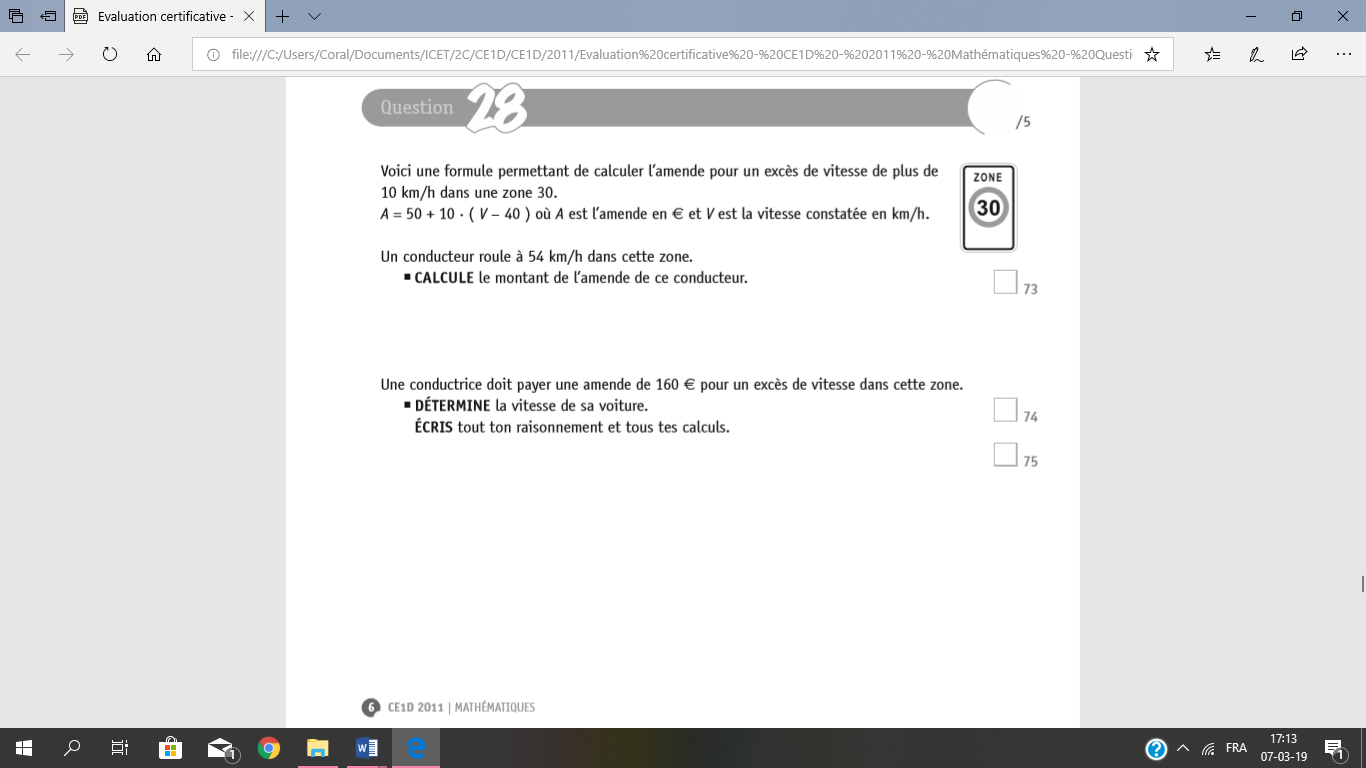
Dernier conseil :

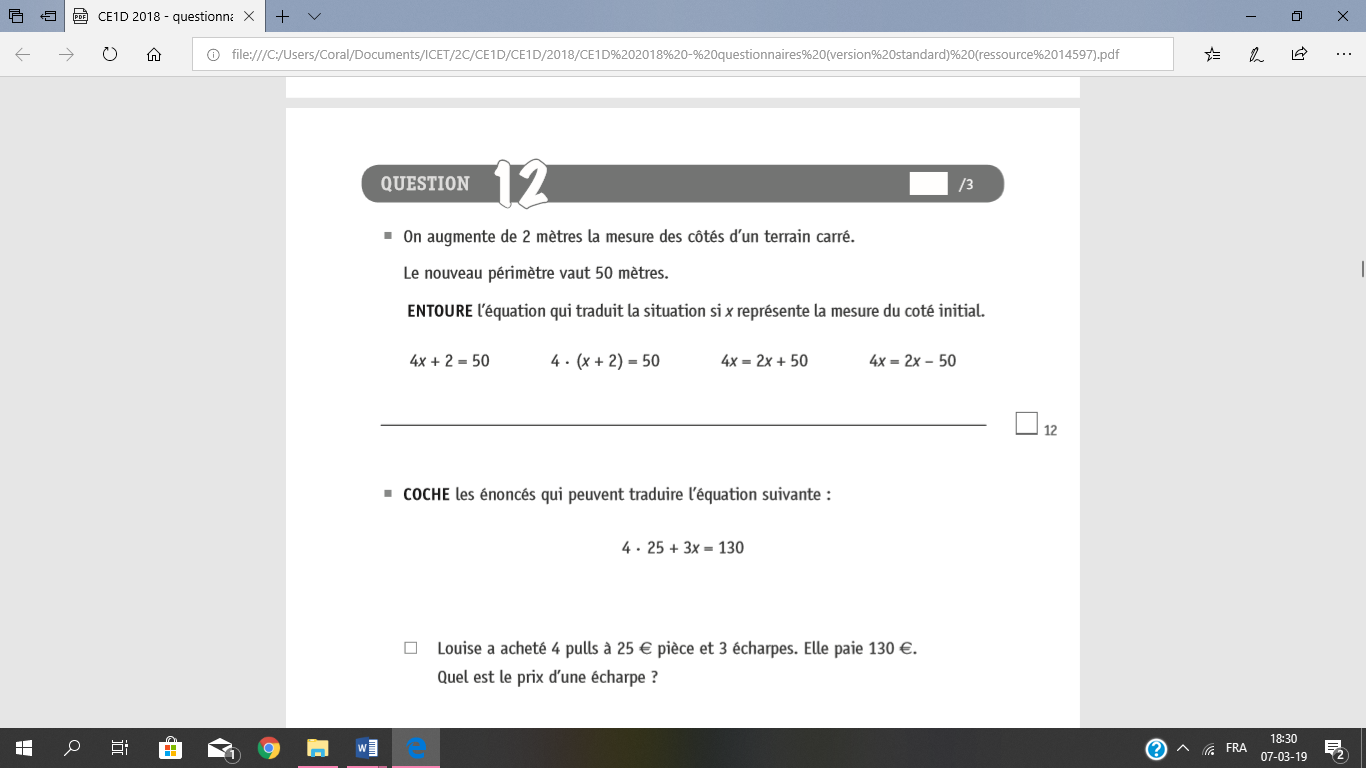


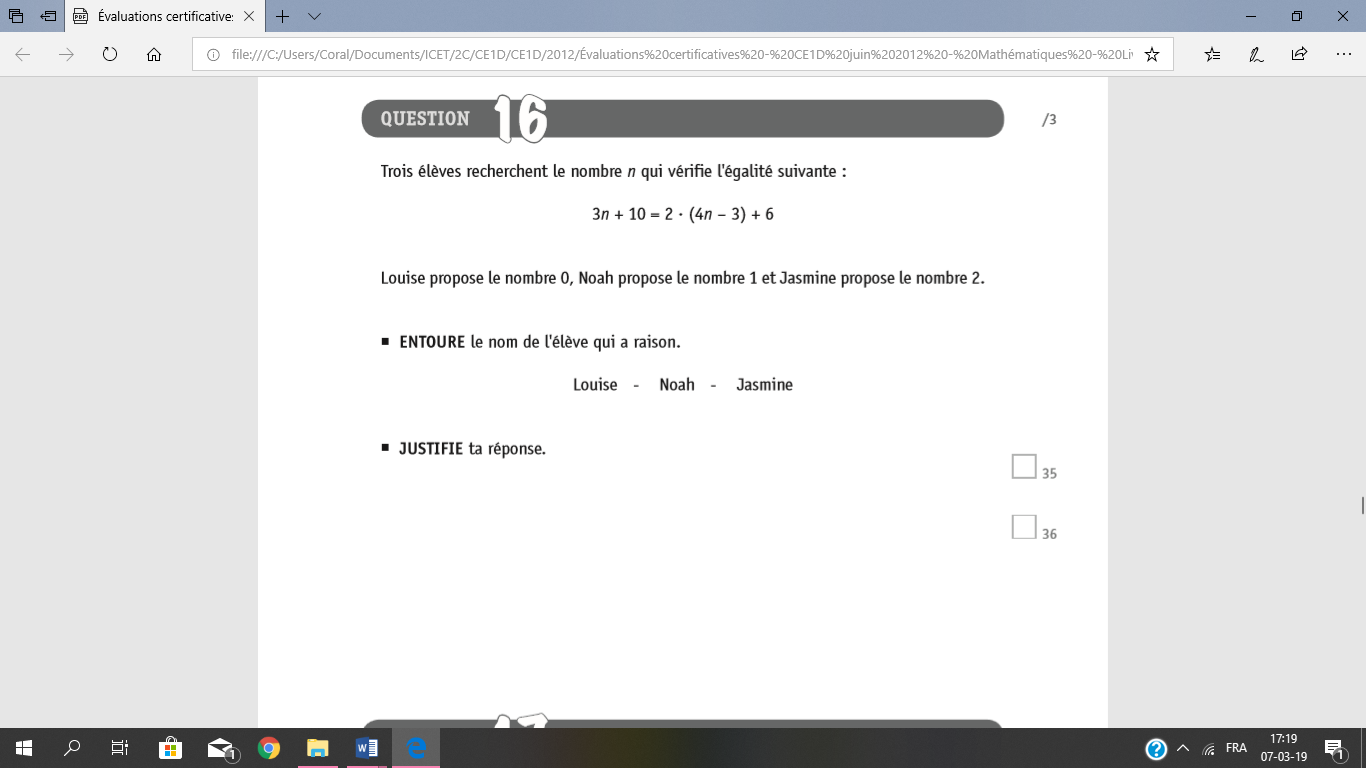


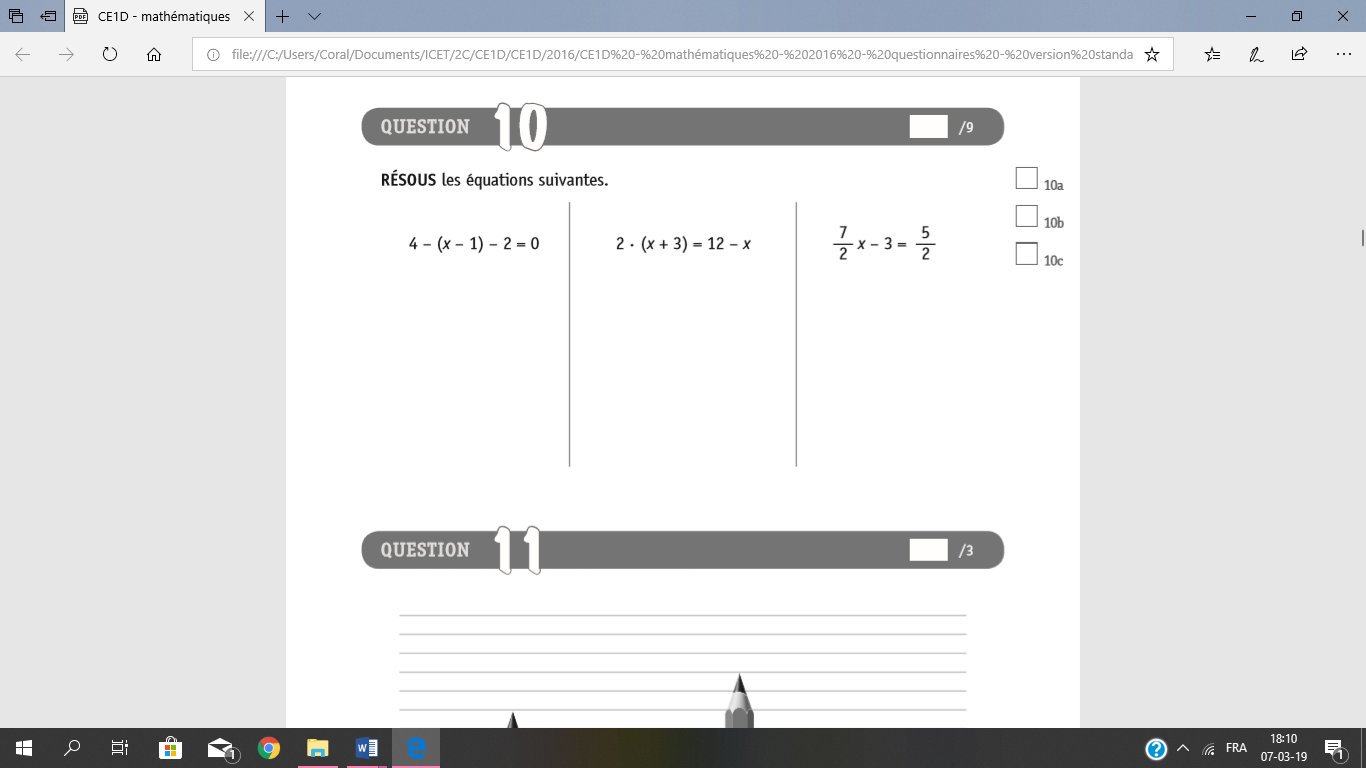


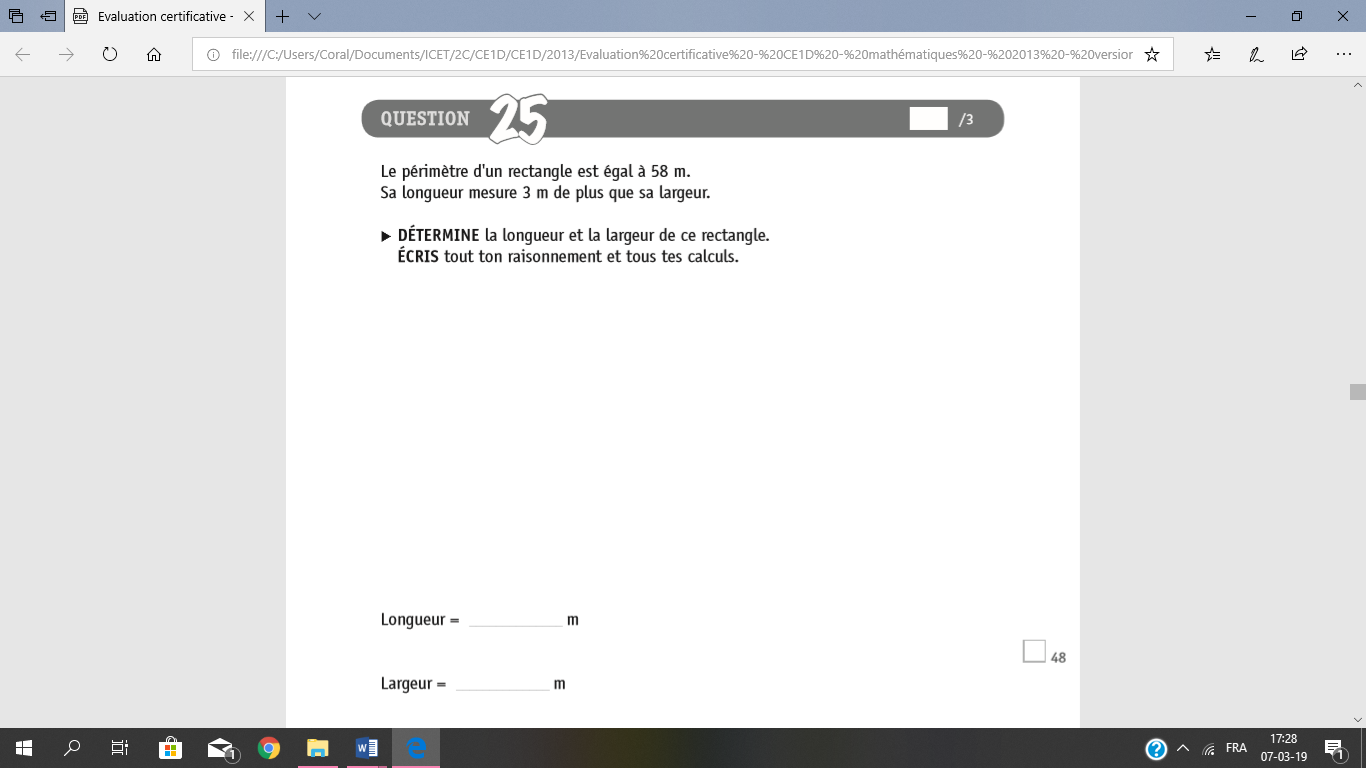


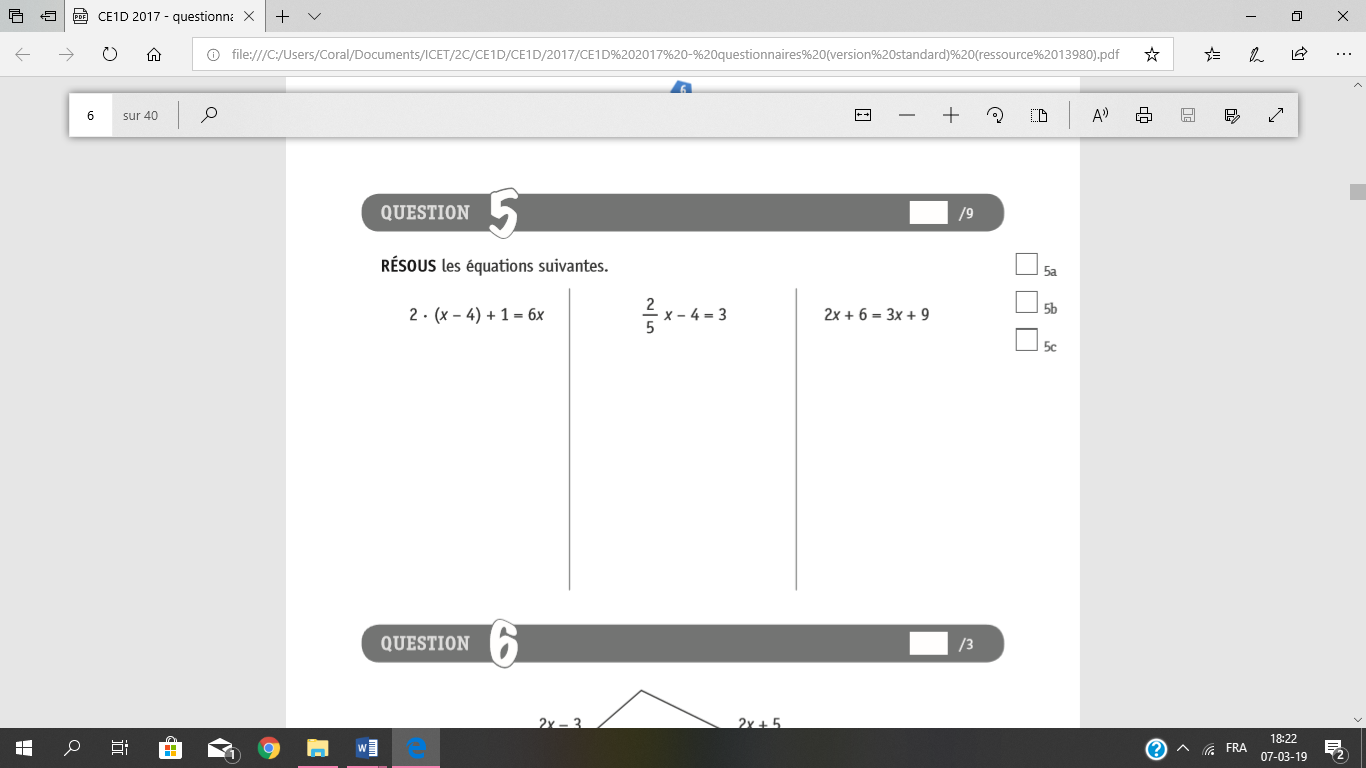


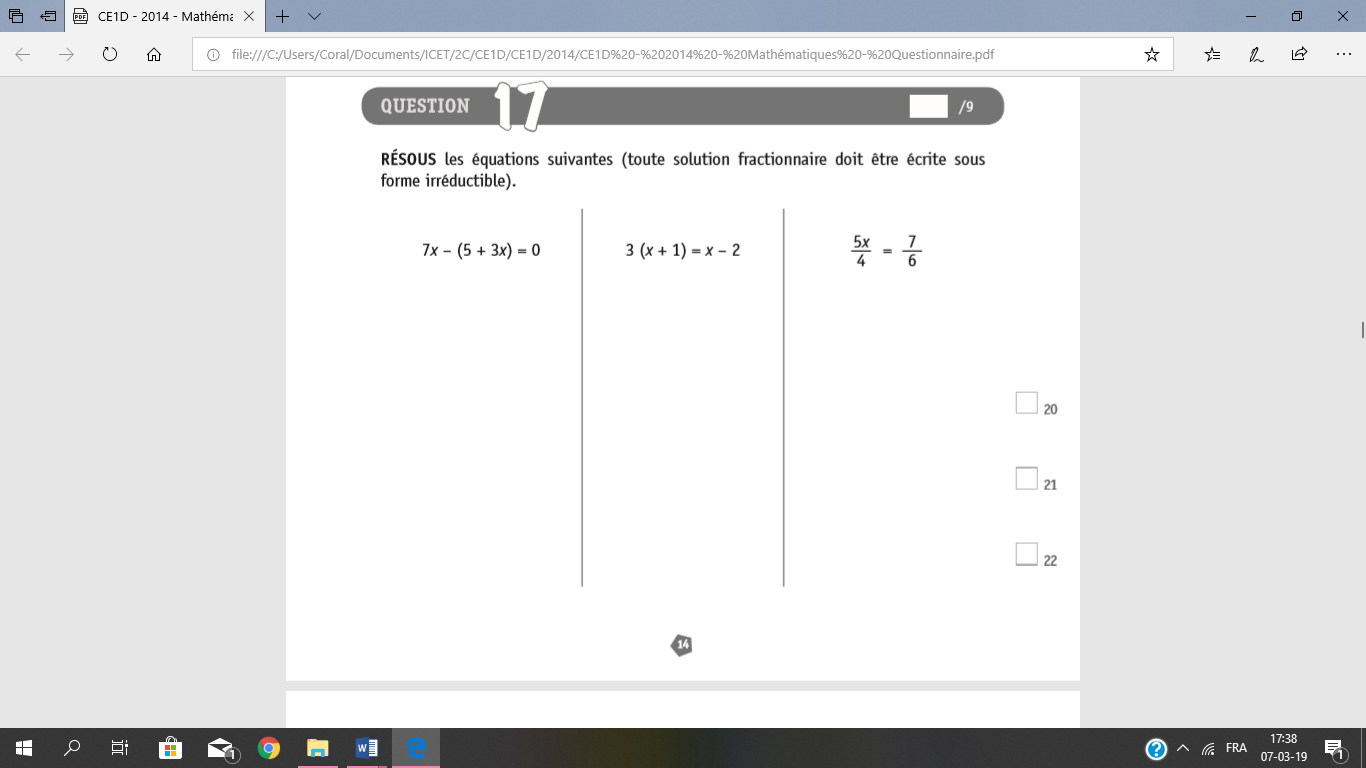


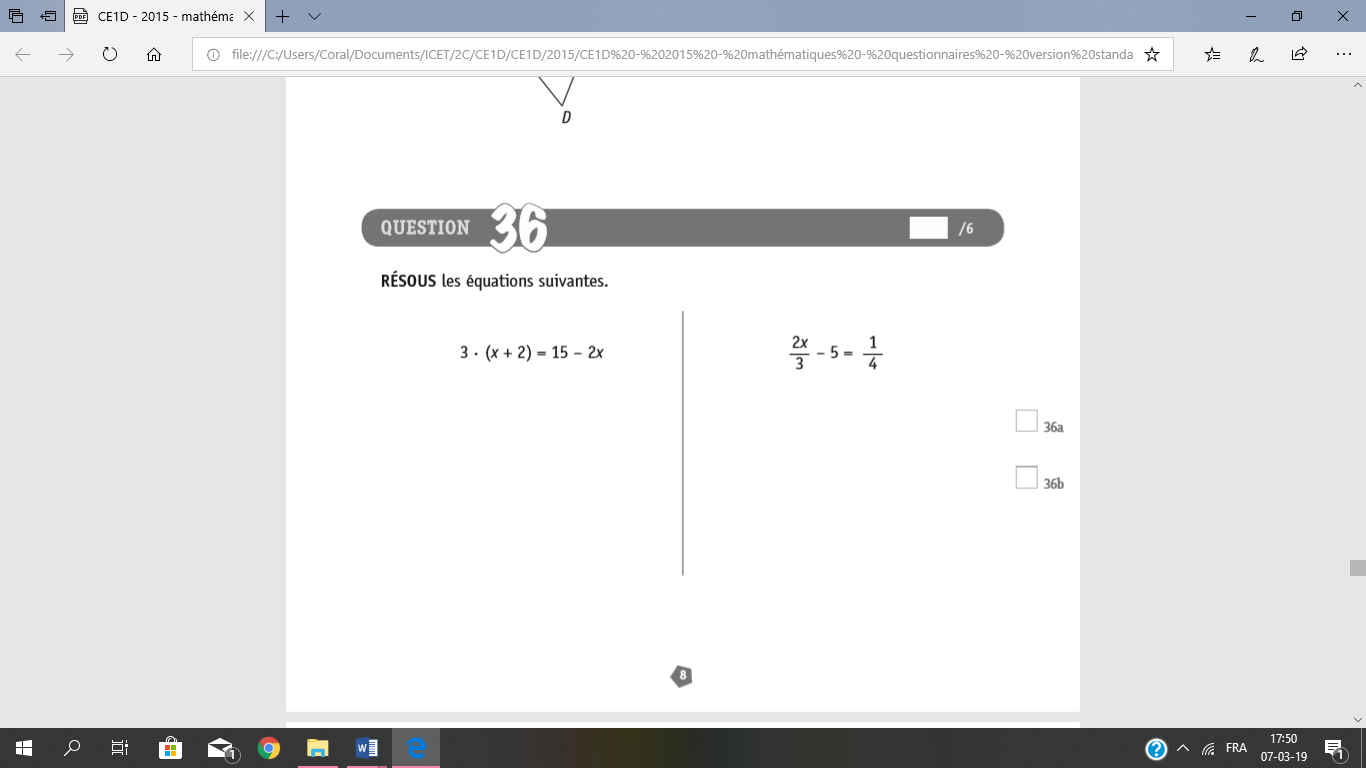


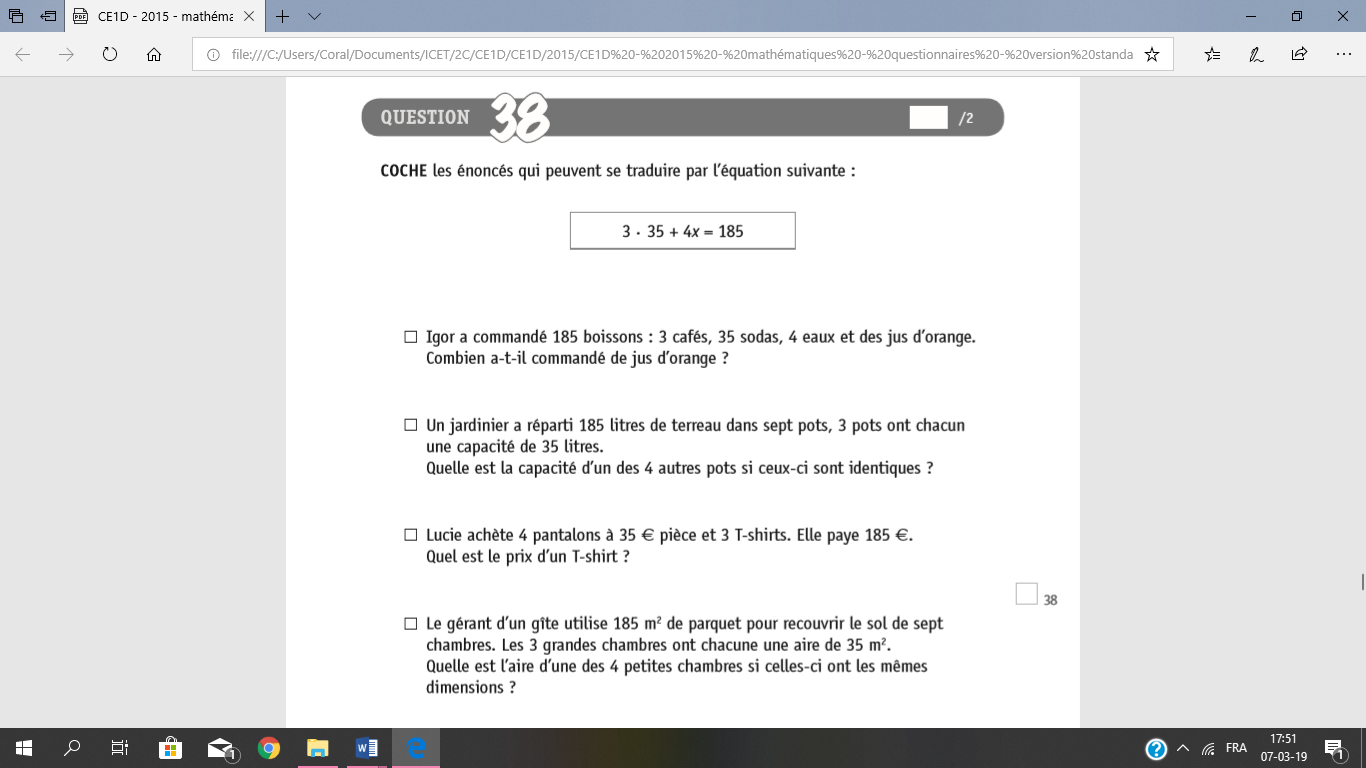


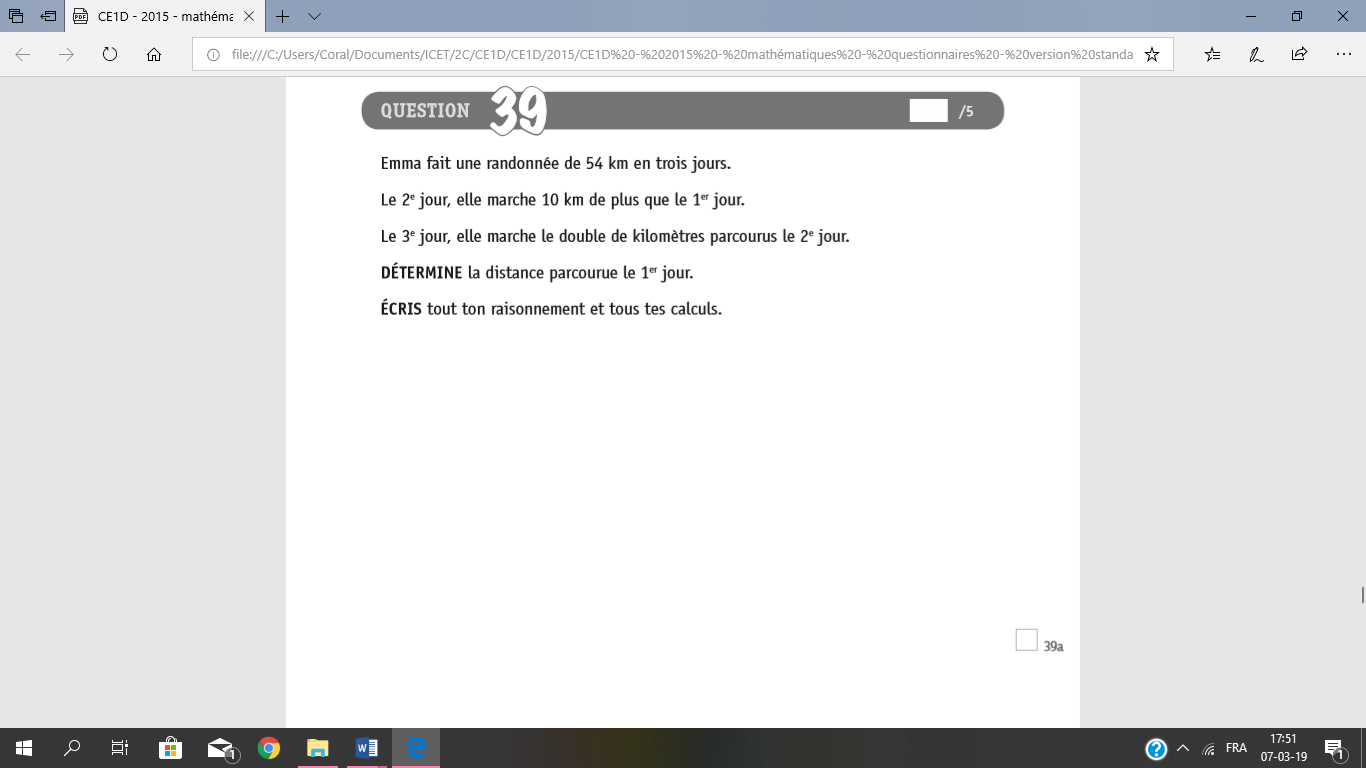


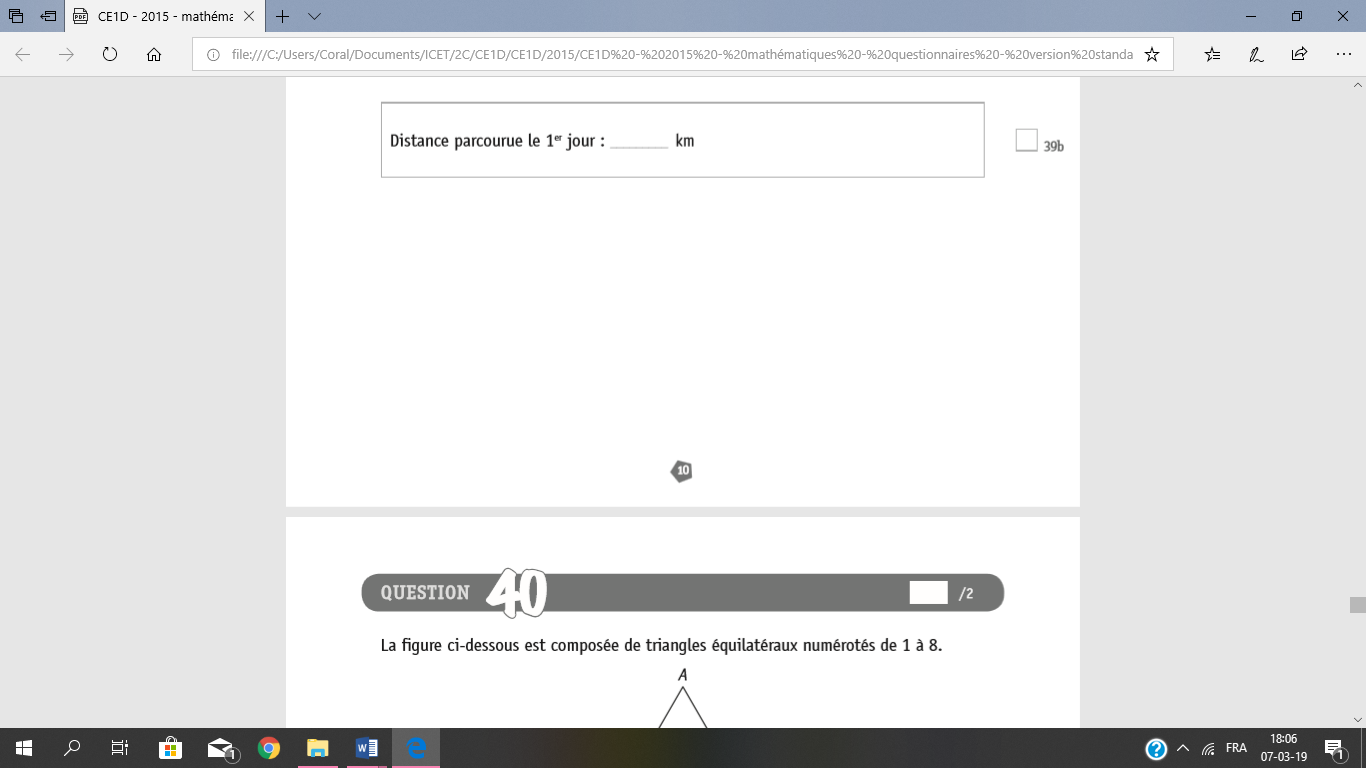


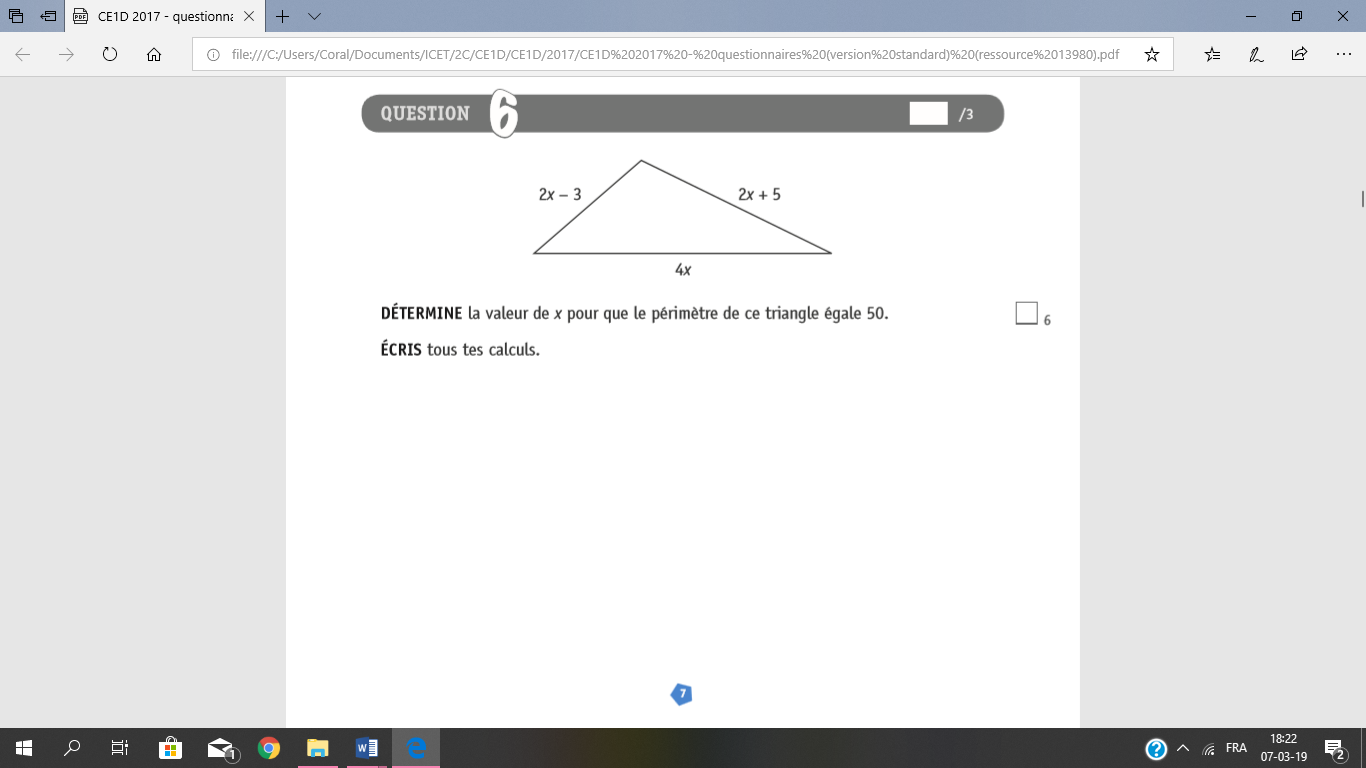


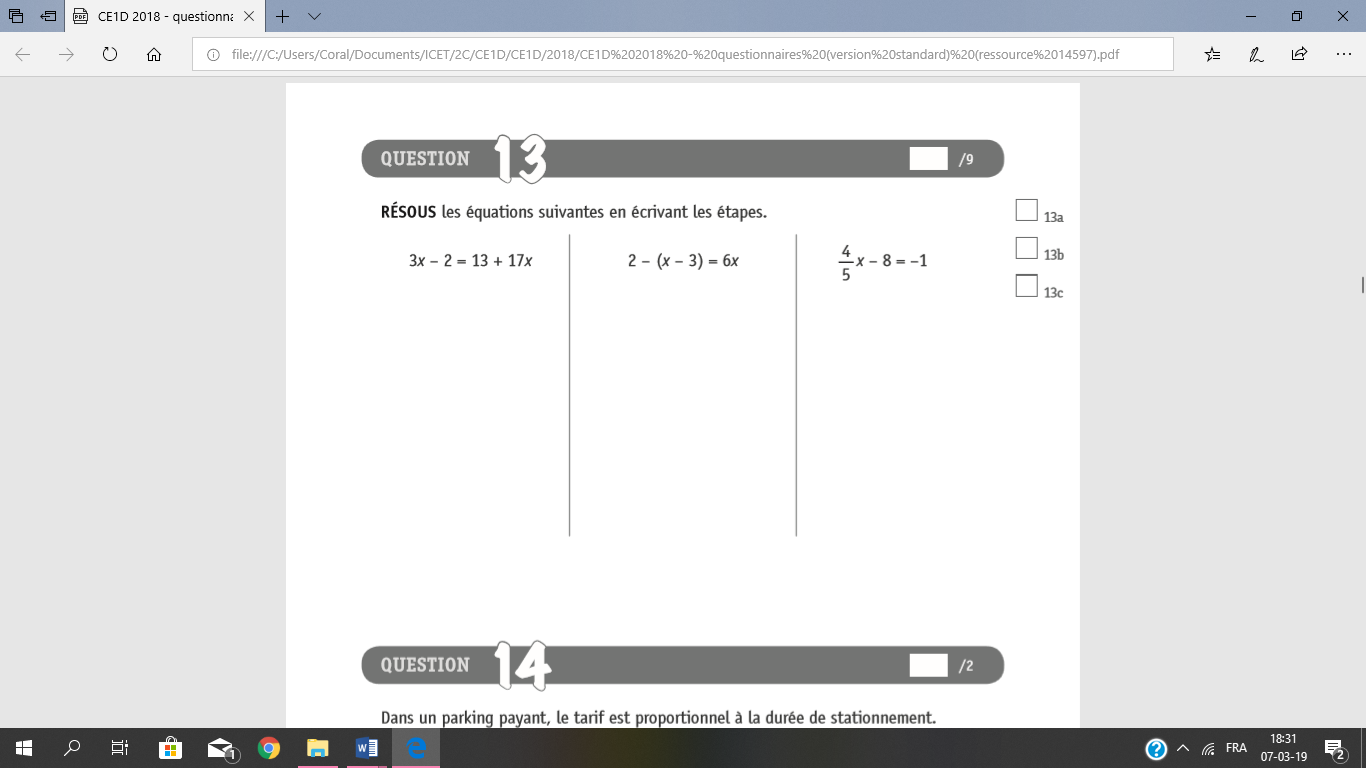












Solutions

Question 11

P = 3a + 1 + 2a + 2a + 2a + 1 + 3a + 2a + 2 = 14a + 4

14a + 4 = 46

14a = 42

a = 3

Question 37

5 . (-8) + 12 = -11 + (2 . (-8) – 1)

-40 + 12 = -11 – 17

-28 = -28

Question 23

3 (x – 4) + 2 = 6 3x – 11 = 29 + 23x x – 1 = 5

3x – 12 + 2 = 6 -11 – 29 = 23x – 3x x = 6

3x = 16 -40 = 20x x = 6 .

x = -2 = x x = 15

Question 27

x + 5 = 2x – 3

Question 28

⏵A = 50 + 10 . (54 – 40) = 50 + 10 . 14 = 50 + 140 = 190 €

⏵160 = 50 + 10 . (v – 40)

110 = 10v – 400

510 = 10v

51 = v La vitesse est de 51 km/h

Question 12

4 . (x + 2) = 50

Question 16

⏵Jasmine

⏵n = 0 n = 1 n = 2

0 + 10 = 2 . (-3) + 6 3 + 10 = 2 . (4 – 3) + 6 6 + 10 = 2 . (8 – 3) + 6

10 ≠ 0 13 ≠ 8 16 = 16

Question 10

4 – (x – 1) – 2 = 0 2 . (x + 3) = 12 – x x – 3 =

4 – x + 1 – 2 = 0 2x + 6 = 12 – x

3 = x 2x + x = 12 – 6

3x = 6 x =

x = 2 x =

Question 25

Si x = la largeur alors la longueur est x + 3

Formule du périmètre d’un rectangle : 2 . (L + l)

58 = 2 . (x + 3 + x)

58 = 2 . (2x + 3)

58 = 4x + 6

52 = 4x

13 = x

Donc Longueur = 13 + 3 = 16m

Largeur = 13m

Question 5

2 . (x – 4) + 1 = 6x x – 4 = 3 2x + 6 = 3x + 9

2x – 8 + 1 = 6x x = 7 6 – 9 = 3x – 2x

-7 = 4x x = 7 . -3 = x

= x x =

Question 17

7x – (5 + 3x) = 0 3 . (x + 1 ) = x – 2

7x – 5 – 3x = 0 3x + 3 = x – 2 6 . 5x = 4 . 7

4x = 5 2x = -5 30x = 28

x = x = x =

Question 36

3 . (x + 2) = 15 – 2x

3x + 6 = 15 – 2x

5x = 9

x = x =

x =

Question 38

Le 2e et le 4e énoncés.

Question 39

x = distance du 1er jour

x + 10 = distance du 2e jour

2 . (x + 10) = distance du 3e jour

x + x + 10 + 2 . (x + 10) = 54

x + x + 10 + 2x + 20 = 54

4x + 30 = 54

4x = 24

x = 6

Distance parcourue le 1er jour : 6 km

Question 6

Périmètre d’un triangle = somme des côtés

(2x – 3) + (2x + 5) + (4x) = 50

2x – 3 + 2x + 5 + 4x = 50

8x + 2 = 50

8x = 48

x = 6

Question 13

3x – 2 = 13 + 17x 2 – (x – 3) = 6x x – 8 = -1

-2 – 13 = 17x – 3x 2 – x + 3 = 6x x = 7

-15 = 14x 5 = 7x x = 7 .

= x = x x =