Analyse de production d'élèves de 6ème

Étudier les connaissances et les difficultés liées aux nombres et aux fractions à partir des productions d'élèves de 6ème ci-dessous.

élève 1

Exercice 2 : Complète les pointillés. (6 points) 3/6

9,5 a)
$$9,6 = 9 + \frac{6}{10} = \frac{9,6}{10} \times$$

5 b)
$$12,59 = 12 + \frac{5}{10} + \frac{9}{100} = 12 + \frac{59}{100} = \frac{12,59}{100} \times$$

o c)
$$8,409 = ...8.. + \frac{4}{100} + \frac{9}{1000} = ...8.. + \frac{469}{100} = \frac{9,49}{100}$$

1 d)
$$\frac{26}{10} = \frac{20}{10} + \frac{...6...}{10} = 2 + \frac{...6...}{10} = 2, ...6...$$

9
5 e) $\frac{80}{1000} = \frac{...8...}{100} = ...8.0.x$

95 f)
$$\frac{356}{100} = \frac{300}{100} + \frac{...50}{100} + \frac{...6}{100} = ...3. + \frac{...5}{10} + \frac{...6}{100} = ...3 + \frac{...5}{10}$$

élève 2

Exercice 2 : Complète les pointillés. (6 points) 2,25 / 6

4 a)
$$9.6 = 9 + \frac{6.6}{10} = \frac{0.6}{10}$$

9,25 b)
$$12,59 = 12 + \frac{1}{10} + \frac{9}{100} = 12 + \frac{5}{100} = \frac{12.05}{100} \times \frac{1}{100}$$

$$\circ$$
 c) $8,409 = ...2.. + \frac{...2..}{.1.0.} + \frac{...3..}{...10.0} = ...8.. + \frac{...5..}{...3.0} = \frac{3...}{...3.0} \times$

d)
$$\frac{26}{10} = \frac{20}{10} + \frac{16}{10} = 2 + \frac{16}{10} = 2$$
, 6×10^{-1}

$$\circ$$
 e) $\frac{80}{1000} = \frac{100}{100} = 100$

Of)
$$\frac{356}{100} = \frac{100}{100} + \frac{100}{100} + \frac{100}{100} = \dots + \frac{10}{10} + \frac{100}{100} = \dots + \frac{100}$$

élève 3

Exercice 2: Complète les pointillés. (6 points)

a)
$$9,6 = 9 + \frac{6}{10} = \frac{96}{10}$$

o, 5 b) $12,59 = 12 + \frac{5}{10} + \frac{9}{100} = 12 + \frac{59}{100} = \frac{179}{100}$

e) 25 c) $8,409 = \frac{4000}{100} + \frac{4}{10} = \frac{4}{10} = \frac{100}{100} + \frac{109}{100} = \frac{100}{100}$

o, 5 d) $\frac{26}{10} = \frac{20}{100} + \frac{6}{10} = 2 + \frac{6}{10} = 2, \dots$

o, 5 e) $\frac{80}{1000} = \frac{100}{100} = \frac{30.0}{100} = \frac{30.0}{100} = \frac{30.0}{100} = \frac{30.0}{100} = \frac{30.0}{100} = \frac{356}{100} = \frac{100}{100} = \frac{30.0}{100} = \frac$

élève 4

Exercice 2 : Complète les pointillés. (6 points) 316

o a)
$$9.6 = 9 + \frac{9.0}{10} = \frac{1.0}{10}$$
 X

o b)
$$12,59 = 12 + \frac{100}{100} + \frac{100}{100} = 12 + \frac{100}{100} = \frac{100}{100}$$

$$\bigcirc$$
 c) 8,409 = $...$ 8... + $\frac{...$ 40 = $...$ 8... + $\frac{...$ 40 = \frac

A d)
$$\frac{26}{10} = \frac{20}{10} + \frac{...6..}{10} = 2 + \frac{...6..}{10} = 2, ...6... ... ∨$$

1 f)
$$\frac{356}{100} = \frac{320}{100} + \frac{350}{100} + \frac{350}{100} = 31. + \frac{5}{10} + \frac{6}{100} = 356.$$

élève 5

Exercice 2 : Complète les pointillés. (6 points) 4,516

1 a)
$$9.6 = 9 + \frac{6}{10} = \frac{96}{10}$$

1 b) 12,59 = 12 +
$$\frac{5}{10}$$
 + $\frac{9}{100}$ = 12 + $\frac{53}{100}$ = $\frac{1253}{100}$

1 c)
$$8,409 = ... \times ... + \frac{4}{10} + \frac{3}{1000} = ... \times ... + \frac{403}{1000} = \frac{2403}{1000}$$

1 d)
$$\frac{26}{10} = \frac{20}{10} + \frac{...6...}{10} = 2 + \frac{...6...}{10} = 2$$
, & ✓

o e)
$$\frac{80}{1000} = \frac{......}{100} = 0.....$$

9,5 f)
$$\frac{356}{100} = \frac{356}{100} + \frac{56}{100} + \frac{6}{100} = ...3 + \frac{5}{10} + \frac{6}{100} = .3.56$$

élève 6

Exercice 2 : Complète les pointillés. (6 points)



o a)
$$9.6 = 9 + \frac{9.0}{10} = \frac{6.0}{10} \times$$

0 b) 12,59 = 12 +
$$\frac{50}{10}$$
 + $\frac{100}{100}$ = 12 + $\frac{500}{100}$ = $\frac{2}{100}$ X

$$\circ$$
 c) 8,409 = ... 2.. + $\frac{490}{400}$ + $\frac{6}{400}$ = .3... + $\frac{2}{400}$ = $\frac{2}{400}$ ×

O d)
$$\frac{26}{10} = \frac{20}{10} + \frac{20}{10} = 2 + \frac{14}{10} = 2,230.4$$
 x

• e)
$$\frac{80}{1000} = \frac{2}{100} = \frac{2}{2}$$

of)
$$\frac{356}{100} = \frac{2}{100} + \frac{2}{100} + \frac{2}{100} = \dots + \frac{2}{10} + \frac{2}{10} = 2 \dots + \frac{2}{10}$$

élève 7

Exercice 2 : Complète les pointillés. (6 points)



^ a) 9,6 = 9 +
$$\frac{..6...}{10}$$
 = $\frac{.9.6..}{10}$ ✓

9,25 b)
$$12,59 = 12 + \frac{1}{10} + \frac{1}{100} = 12 + \frac{50}{100} = \frac{3}{100}$$

d)
$$\frac{26}{10} = \frac{20}{10} + \frac{0.0...}{10} = 2 + \frac{0.0...}{10} = 2$$
, 6

o,5 e)
$$\frac{80}{1000} = \frac{....}{100}$$
 =×

0,5 f)
$$\frac{356}{100} = \frac{3.90}{100} + \frac{..50}{100} + \frac{..6...}{100} = 3.56 + \frac{3.5...}{100} + \frac{3.5...}{100} = 3.56...$$