

NOM : _____

50

Foyer : _____

Pratique de calcul mental (Attends le signal pour débiter)

Tu as ___ minutes pour inscrire les résultats des opérations suivantes.

50 % x 72 = 1) 36	$(-3)^3 =$ 2) -27	30 % x 80 = 3) 24	70 x -4 = 4) -280	-8 x -12 = 5) 96
$\left(\frac{-1}{6}\right)^2 =$ 6) $\frac{1}{36}$	80 % x 50 = 7) 40	$(-13)^2 =$ 8) 169	$\left(\frac{6}{7}\right)^2 =$ 9) $\frac{36}{49}$	16 x 11 = 10) 176
25 % x 48 = 11) 12	-40 x 9 = 12) -360	$\frac{1}{5} \times 60 =$ 13) 12	-12 x -7 = 14) 84	$(-15)^2 =$ 15) 225
10 % x 640 = 16) 64	$\left(\frac{-1}{2}\right)^3 =$ 17) $-\frac{1}{8}$	6 x 9 = 18) 54	$\left(\frac{3}{14}\right)^2 =$ 19) $\frac{9}{196}$	$\frac{2}{13} \times 65 =$ 20) 10
$\frac{3}{5} \times 30 =$ 21) 18	$\frac{1}{9} \times 45 =$ 22) 5	$\left(\frac{5}{12}\right)^2 =$ 23) $\frac{25}{144}$	15 % x 140 = 24) 21	$\left(\frac{2}{3}\right)^3 =$ 25) $\frac{8}{27}$
$\frac{8}{9} \times \frac{9}{25} =$ 26) $\frac{8}{25}$	90 % x 60 = 27) 54	$\frac{2}{7} \times 63 =$ 28) 18	$\frac{3}{11} \times 99 =$ 29) 27	15 % x 80 = 30) 12
$\frac{1}{6} \times -72 =$ 31) -12	10 % x 920 = 32) 92	60 % x 110 = 33) 66	$(-7)^2 =$ 34) 49	$\left(\frac{-1}{4}\right)^3 =$ 35) $-\frac{1}{64}$
-4 x -5 = 36) 20	$\frac{5}{8} \times 64 =$ 37) 40	70 % x 200 = 38) 140	$\left(\frac{1}{5}\right)^3 =$ 39) $\frac{1}{125}$	25 % x 24 = 40) 6
$\frac{12}{25} \times 50 =$ 41) 24	34 x 11 = 42) 374	$\frac{3}{4} \times \frac{-8}{7} =$ 43) $-\frac{6}{7}$	13 x -6 = 44) -78	$\frac{4}{5} \times \frac{25}{9} =$ 45) $\frac{20}{9}$
$\frac{(-3)^2}{20} =$ 46) $\frac{9}{20}$	$\frac{-6}{11} \times 77 =$ 47) -42	20 % x 130 = 48) 26	$\left(\frac{-1}{8}\right)^2 =$ 49) $\frac{1}{64}$	50 % x $\frac{1}{8} =$ 50) $\frac{1}{16}$

1) $50\% \times 72$

$$= \frac{\cancel{50}^1 \times \cancel{72}^{36}}{\cancel{100}^2 \times 1}$$

$$= 36$$

2) $(-3)^3$

$$= -3 \times -3 \times -3$$
$$= -27$$

3) $30\% \times 80$

$$= \frac{\cancel{30}^1 \times \cancel{80}^8}{\cancel{100}^2 \times 1}$$

$$= 24$$

4) 70×-4

$$= -280$$

5) -8×-12

$$= 96$$

6) $(\frac{-1}{6})^2$

$$= \frac{-1}{6} \times \frac{-1}{6}$$

$$= \frac{1}{36}$$

7) $80\% \times 50$

$$= \frac{\cancel{80}^1 \times \cancel{50}^5}{\cancel{100}^2 \times 1}$$

$$= 40$$

8) $(-13)^2$

$$= -13 \times -13$$

$$= 169$$

9) $(\frac{6}{7})^2$

$$= \frac{6}{7} \times \frac{6}{7}$$

$$= \frac{36}{49}$$

10) 16×11

$$= 176$$

11) $25\% \times 48$

$$= \frac{\cancel{25}^1 \times \cancel{48}^{12}}{\cancel{100}^4 \times 1}$$

$$= 12$$

12) -40×9

$$= -360$$

13) $\frac{1}{5} \times 60$

$$= \frac{1}{5} \times \frac{\cancel{60}^{12}}{1}$$

$$= 12$$

14) -12×-7

$$= 84$$

15) $(-15)^2$

$$= -15 \times -15$$

$$= 225$$

16) $10\% \times 640$

$$= \frac{\cancel{10}^1 \times \cancel{640}^{64}}{\cancel{100}^2 \times 1}$$

$$= 64$$

17) $(\frac{-1}{2})^3$

$$= \frac{-1}{2} \times \frac{-1}{2} \times \frac{-1}{2}$$

$$= \frac{-1}{8}$$

18) 6×9

$$= 54$$

19) $(\frac{3}{14})^2$

$$= \frac{3}{14} \times \frac{3}{14}$$

$$= \frac{9}{196}$$

20) $\frac{2}{13} \times 65$

$$= \frac{2}{13} \times \frac{\cancel{65}^5}{1}$$

$$= 10$$

21) $\frac{3}{5} \times 30$

$$= \frac{\cancel{3}^1 \times \cancel{30}^6}{\cancel{5}^2 \times 1}$$

$$= 18$$

22) $\frac{1}{9} \times 45$

$$= \frac{1}{9} \times \frac{\cancel{45}^5}{1}$$

$$= 5$$

23) $(\frac{5}{12})^2$

$$= \frac{5}{12} \times \frac{5}{12}$$

$$= \frac{25}{144}$$

24) $15\% \times 140$

$$= \frac{\cancel{15}^1 \times \cancel{140}^7}{\cancel{100}^2 \times 1}$$

$$= 21$$

25) $(\frac{2}{3})^3$

$$= \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3}$$

$$= \frac{8}{27}$$

26) $\frac{8}{9} \times \frac{9}{25}$

$$= \frac{\cancel{8}^1 \times \cancel{9}^1}{\cancel{9}^1 \times 25}$$

$$= \frac{8}{25}$$

27) $90\% \times 60$

$$= \frac{\cancel{90}^1 \times \cancel{60}^6}{\cancel{100}^2 \times 1}$$

$$= 54$$

28) $\frac{2}{7} \times 63$

$$= \frac{2}{7} \times \frac{\cancel{63}^9}{1}$$

$$= 18$$

29) $\frac{3}{11} \times 99$

$$= \frac{\cancel{3}^1 \times \cancel{99}^9}{\cancel{11}^2 \times 1}$$

$$= 27$$

30) $15\% \times 80$

$$= \frac{\cancel{15}^1 \times \cancel{80}^4}{\cancel{100}^2 \times 1}$$

$$= 12$$

$$\begin{aligned} 31) \frac{1}{6} \times -72 \\ = \frac{1}{\cancel{6}} \times \frac{-72}{1} \\ = -12 \end{aligned}$$

$$\begin{aligned} 32) 10\% \times 920 \\ = 92 \end{aligned}$$

$$\begin{aligned} 33) 60\% \times 110 \\ = 10\% \times 110 \times 6 \\ = 11 \times 6 \\ = 66 \end{aligned}$$

$$\begin{aligned} 34) (-7)^2 \\ = -7 \times -7 \\ = 49 \end{aligned}$$

$$\begin{aligned} 35) \left(\frac{-1}{4}\right)^3 \\ = \frac{-1}{4} \times \frac{-1}{4} \times \frac{-1}{4} \\ = \frac{-1}{64} \end{aligned}$$

$$\begin{aligned} 36) -4 \times -5 \\ = 20 \end{aligned}$$

$$\begin{aligned} 37) \frac{5}{8} \times 64 \\ = \frac{5}{\cancel{8}} \times \frac{64}{1} \\ = 40 \end{aligned}$$

$$\begin{aligned} 38) 70\% \times 200 \\ = 10\% \times 200 \times 7 \\ = 20 \times 7 \\ = 140 \end{aligned}$$

$$\begin{aligned} 39) \left(\frac{1}{5}\right)^3 \\ = \frac{1}{5} \times \frac{1}{5} \times \frac{1}{5} \\ = \frac{1}{125} \end{aligned}$$

$$\begin{aligned} 40) 25\% \times 24 \\ = \frac{25}{\cancel{100}} \times \frac{24}{1} \\ = 6 \end{aligned}$$

$$\begin{aligned} 41) \frac{12}{25} \times 50 \\ = \frac{12}{\cancel{25}} \times \frac{50}{1} \\ = 24 \end{aligned}$$

$$\begin{aligned} 42) 34 \times 11 \\ = 374 \end{aligned}$$

$$\begin{aligned} 43) \frac{3}{4} \times \frac{-8}{7} \\ = \frac{3}{\cancel{4}} \times \frac{-8}{7} \\ = \frac{-6}{7} \end{aligned}$$

$$\begin{aligned} 44) 13 \times -6 \\ = -78 \end{aligned}$$

$$\begin{aligned} 45) \frac{4}{5} \times \frac{25}{9} \\ = \frac{4}{\cancel{5}} \times \frac{25}{9} \\ = \frac{20}{9} \end{aligned}$$

$$\begin{aligned} 46) \frac{(-3)^2}{20} \\ = \frac{-3 \times -3}{20} \\ = \frac{9}{20} \end{aligned}$$

$$\begin{aligned} 47) \frac{-6}{11} \times 77 \\ = \frac{-6}{\cancel{11}} \times \frac{77}{1} \\ = -42 \end{aligned}$$

$$\begin{aligned} 48) 20\% \times 130 \\ = 10\% \times 130 \times 2 \\ = 13 \times 2 \\ = 26 \end{aligned}$$

$$\begin{aligned} 49) \left(\frac{-1}{8}\right)^2 \\ = \frac{-1}{8} \times \frac{-1}{8} \\ = \frac{1}{64} \end{aligned}$$

$$\begin{aligned} 50) 50\% \times \frac{1}{8} \\ = \frac{50}{\cancel{100}} \times \frac{1}{8} \\ = \frac{1}{16} \end{aligned}$$