

Grade 7 fractions and decimals test

NAME	DATE	SCORE / 10
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Answer each question. Show your work.

- 1

$\frac{2}{5} + (-\frac{7}{10}) = ?$ Give the answer in lowest terms.
- 2

$-6.92 + (-5.36) = ?$
- 3

Which number is equal to $-\frac{5}{4}$?
☐ $(-5)/(-4)$ ☐ $\frac{5}{4}$ ☐ $5/(-4)$ ☐ $4/(-5)$
- 4

Write a fraction with a denominator of 20 that is between $\frac{4}{5}$ and $\frac{7}{10}$.
- 5

$\frac{1}{3} \times (-\frac{1}{9}) = ?$ Give the answer in lowest terms.
- 6

$(-\frac{1}{5} - (-\frac{2}{5})) \div (-\frac{3}{4}) = ?$ Give the answer in lowest terms.
- 7

Which shows $\frac{25}{33}$ as a decimal, with a bar over exactly the repeating digits?
☐ 0.75 ☐ 0.75 ☐ 0.75 ☐ 0.7575
- 8

Maya's account balance is $-\$13.92$. Maya puts $\$20.50$ into the account. What is Maya's new balance, in dollars?
- 9

Does the decimal form of $\frac{1}{6}$ stop or repeat, and why?
☐ It repeats. $6 = 2 \times 3$, and 3 is a prime factor other than 2 or 5.
☐ It stops. $6 = 2 \times 3$, and 2 is a factor of 6.
☐ It stops, because 6 is even.
- 10

Is 13 a rational number, and why?
☐ No. It cannot be written as a ratio of two integers.
☐ No. It is a whole number, not a fraction.
☐ Yes. It can be written as $\frac{13}{1}$.
☐ Yes. It can be written as $\frac{1}{13}$.

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1	$-\frac{3}{10}$	2	-12.28	3	$5/(-4)$
4	$\frac{15}{20}$	5	$-\frac{1}{27}$	6	$-\frac{4}{15}$
7	0.755	8	\$6.58	9	It repeats. $6 = 2 \times 3$, and 3 is a prime factor other than 2 or 5.
10	Yes. It can be written as $\frac{13}{1}$.				