

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.

3 Which number is equal to $-\frac{5}{4}$?

☐ $(-5)/(-4)$
☐ $\frac{5}{4}$
☐ $5/(-4)$
☐ $4/(-5)$

5 $\frac{1}{3} \times (-\frac{1}{9}) = ?$ 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

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.

2 $-6.92 + (-5.36) = ?$

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

6 $(-\frac{1}{5} - (-\frac{2}{5})) \div (-\frac{3}{4}) = ?$ Give the answer in lowest terms.

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

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

$-\frac{3}{10}$

4

$\frac{15}{20}$

7

$0.7\overline{5}$

10

Yes. It can be written as $\frac{13}{1}$.

2

-12.28

5

$-\frac{1}{27}$

8

$\$6.58$

3

$5/(-4)$

6

$-\frac{4}{15}$

9

It repeats. $6 = 2 \times 3$, and 3 is a prime factor other than 2 or 5.
