

Dividing Fractions and Compound Operations

Year 8 · Arithmetic · y8-div-integers

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

Answer every question in Practice. Try the Challenge section once Practice is complete. 10 questions in total.

Practice

1. Work out $\frac{2}{3} \div \frac{1}{6}$.

2. Work out $-\frac{5}{8} \div \frac{1}{4}$.

3. Work out $\frac{3}{5} \div \frac{2}{3}$.

4. A rope $\frac{7}{8}$ m long is cut into pieces each $\frac{1}{16}$ m long. How many pieces can be made?

5. Work out $3 \div (\frac{1}{4} + \frac{1}{2})$. Do the brackets first.

6. Work out $-\frac{9}{10} \div -\frac{3}{5}$.

7. To divide by a fraction, multiply by its reciprocal (flip it). Work out $\frac{5}{6} \div \frac{2}{3}$.

8. Which is correct: $-\frac{7}{8} \div \frac{1}{4} = -\frac{7}{2}$ or $-\frac{7}{8} \div \frac{1}{4} = \frac{7}{2}$? Type the correct answer only.

Challenge

1. Work out $3 \div \frac{1}{4} - 2$.

2. Work out $(\frac{1}{2} + \frac{1}{4}) \div \frac{3}{8}$.