

Fractions, Decimals & Real-Life Connections

Transfer fraction and decimal knowledge between representations and apply it to measurement, money, data and decision-making.

Student Name _____	Class / Section _____ —	Date _____ —	Worksheet MYP1-MATH -12
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MYP APPROACH

Understand • Apply • Reason • Reflect

A. CONVERT

1. $\frac{1}{2}$ = _____
2. $\frac{3}{4}$ = _____
3. 0.25 = _____
4. 0.6 = _____
5. $\frac{7}{10}$ = _____

B. APPLY

6. A bottle holds 1.5 L. You drink $\frac{3}{5}$ L. How much remains?
7. A class spends 0.75 of an hour on a project. How many minutes?
8. A trail is 2.4 km. You complete $\frac{7}{8}$ of it. How far did you travel?
9. A shirt costs ₹800 and is discounted by $\frac{1}{4}$. What is the discount and sale price?

Fractions, Decimals & Real-Life Connections — continued

C. MYP INQUIRY

10. A shop displays 0.5 kg, $\frac{1}{2}$ kg and 500 g. Explain why these amounts are equal.
11. Create two different representations of 0.375 and explain the connection.
12. Which representation—fraction or decimal—is more useful for measuring money? Give a reason and an example.
13. Create a real-life situation that can be represented by both a fraction and a decimal.

SELF-CHECK ☐ I showed working ☐ I checked my answer ☐ I can explain my strategy ☐ I used mathematical language