

Fraction Problem Solving

Select appropriate fraction strategies, estimate, solve multi-step problems and communicate reasoning.

Student Name _____	Class / Section _____ —	Date _____ —	Worksheet MYP1-MATH -08
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MYP APPROACH**Understand • Apply • Reason • Reflect**

A. MULTI-STEP

1. Maya walks $\frac{2}{3}$ km in the morning and $\frac{3}{4}$ km in the evening. How far altogether?
2. A tank is $\frac{5}{6}$ full. Then $\frac{1}{3}$ of the tank's capacity is used. What fraction remains?
3. A $2\frac{1}{2}$ m rope is cut into $\frac{3}{4}$ m pieces. How many complete pieces and how much remains?

B. ESTIMATE FIRST

4. $\frac{7}{8} + \frac{2}{3} \approx$ _____ ; exact = _____
5. $\frac{5}{6} - \frac{1}{4} \approx$ _____ ; exact = _____
6. Is $\frac{4}{5} \times 18$ closer to 10, 15 or 20? Explain your estimate.

Fraction Problem Solving — continued

C. ERROR SPOTTER & CREATE

7. A student says $\frac{1}{2} + \frac{1}{3} = \frac{2}{5}$. Correct answer = _____. Explain.
8. A student says $\frac{3}{4}$ of $20 = 3 \times 20 \div 4$. Is this valid? Explain.
9. Create your own two-step fraction problem and solve it.
10. Which strategy helped you most today? Explain with a worked example.

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