Fraction operations: 10 practice questions

Year 7 · Free practice sheet from Tuterly · tuterly.com.au

Name: _____ Date: _____

Attempt all questions and show your working. Suggested time: 15 to 20 minutes.

Section A: Consolidating (Questions 1-4)

Question 1

Calculate, giving each answer in simplest form.

(a) ⅕ + ⅖

(b) ⅞ - ⅜

(c) ⅓ + ⅙

Question 2

Calculate:

(a) 2.35 + 4.8

(b) 9.2 - 3.75

Question 3

Calculate:

(a) ¾ × 8

(b) 6 ÷ ⅓

Question 4

Calculate:

(a) 1.5 × 4

(b) 9.6 ÷ 3

Section B: Standard (Questions 5-10)

Question 5

Calculate, giving each answer in simplest form.

(a) ⅔ + ¾ (give your answer as a mixed number)

(b) ⅚ - 2/9

Question 6

Calculate, giving each answer as a mixed number.

(a) $2\frac{1}{2} + 1\frac{2}{3}$

(b) $4\frac{1}{4} - 1\frac{5}{6}$

Question 7

Use the correct order of operations to evaluate:

$\frac{1}{2} + \frac{1}{3} \times \frac{3}{4}$

Question 8

Evaluate:

$(\frac{3}{5} - \frac{1}{4}) \div 7/10$

Question 9

Calculate 0.75 + $\frac{2}{5}$. Give your answer as a decimal.

Question 10

Ella spends $\frac{1}{4}$ of her pocket money on a movie ticket and $\frac{1}{3}$ of it on food.

(a) What fraction of her pocket money is left?

(b) If her pocket money was $36, how much does she have left?

Fraction operations: answers

Year 7 · Free practice sheet from Tuterly · tuterly.com.au

Question 1

Answer: (a) ⅗ (b) ½ (c) ½

Question 2

Answer: (a) 7.15 (b) 5.45

Question 3

Answer: (a) 6 (b) 18

Question 4

Answer: (a) 6 (b) 3.2

Question 5

Answer: (a) 15/12 (8/12 + 9/12) (b) 11/18 (15/18 - 4/18)

Question 6

Answer: (a) 4⅙ (b) 25/12 (51/12 - 22/12)

Question 7

Answer: ¾ (multiply first: ½ + ¼)

Question 8

Answer: ½ (7/20 ÷ 7/10)

Question 9

Answer: 1.15 (0.75 + 0.4)

Question 10

Answer: (a) 5/12 (b) $15