

Checklist

- do I have ONE equal sign per line
- did I read the question carefully and answer what was asked
- did I leave my fraction answers in LOWEST Terms
- was I careful when using operations involving negative values

1. Evaluate the following: (K – 10 marks)

(a) $7 - 12 =$

(b) $-5 - (-11) =$

(c) $(-7)(-4) =$

(d) $\frac{(14)(-3)}{(-7)} =$

(e) $(-6)^2 =$

(f) $-24 \div (-3 + 11) =$

2. **Solve** for the unknown in each of the following ratio problems: (App – 7 marks)

(a) $m + 12 = 23$

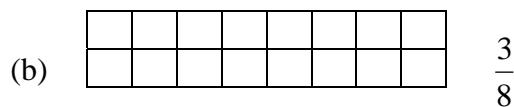
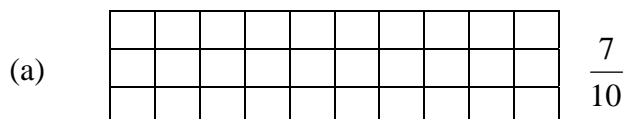
(b) $\frac{a}{5} = 3$

(c) $3a = 24$

(d) $a - 8 = -19$

(e) $2a + 12 = 34$

3. In the following grid, shade in the given fraction amount. (2 marks)



4. Write the following fractions in LOWEST TERMS. (K - 4 marks)

(a) $\frac{6}{10} =$

(b) $\frac{35}{100} =$

(c) $\frac{6}{14} =$

(d) $\frac{6}{15} =$

5. Place the following fractions in order of greatest to smallest - $\frac{3}{8}, \frac{1}{2}, \frac{3}{4}, \frac{7}{16}$ (App – 2 marks)

6. Find a common denominator and evaluate the following leaving your final answer in **lowest terms**: (K – 10 marks)

(a) $\frac{5}{6} + \frac{2}{6}$

(b) $\frac{3}{4} + \frac{5}{8}$

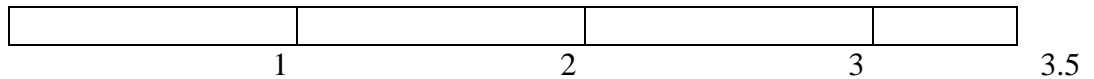
(c) $\frac{3}{4} - \frac{1}{8}$

(d) $2\frac{1}{2} + 1\frac{3}{4}$

(e) $4\frac{1}{4} - 1\frac{1}{8}$

7. On the strip provided, **illustrate** how many “halves” fit into the entire length. **Verify** your count with **calculations**. (4 marks)

$3\frac{1}{2} \div \frac{1}{2}$



8. Evaluate the following multiplication and division problems leaving your final answer in **lowest terms**: (K – 10 marks)

(a) $\frac{1}{2} \times \frac{3}{8}$

(b) $\frac{1}{2} \div \frac{1}{8}$

(c) $3\frac{1}{2} \times \frac{2}{3}$

(d) $2\frac{5}{8} \times 1\frac{3}{5}$

(e) $2\frac{3}{4} \div 1\frac{3}{8}$

9. Fill in the missing values. Be sure to use lowest term fractions. (K – 8 marks)

%	Fraction	Decimal
78%		
	$\frac{3}{8}$	
		0.42
3%		

10. Jim was making a birthday card for his friend. He wanted to put a fancy border around the edge of the card. The card dimensions are $3\frac{1}{2}$ inches wide by $6\frac{3}{8}$ inches tall. How much of the fancy border material does Jim need to go around the entire outside of the card? (4 marks)
11. You have $\frac{3}{4}$ of a pizza left over from a math party. You give $\frac{1}{3}$ of the leftover pizza to your younger brother; how much of the whole pizza did your brother get?
12. A new pair of shoes is \$120.00, fortunately for us, they are on sale at 30% off the regular price. What is the total cost of the shoes if we are shopping in Ontario where there is a sales tax of 13%?