

Number Sense Practice Test

1. You scored 25/30 on a quiz. What is your mark as a percent?

i) 83%

ii) 75%

iii) 25%

iv) 120%

2. Simplify. (4 marks)

a) $(15) + (-25)$

b) $30 \div (-2)$

c) $-4 - 7$

d) $(4)(-5)$

3. Future shop is having a sale. The new iPad mini regularly priced at \$297.99 has been reduced by 15%. What is the discounted price?

4. Evaluate the following expressions using BEDMAS. (10 marks)

a) $2^3 + 3(6 \div 2)$

b) $4 + 5(2 - 6) - (-3)^2$

c) $9 + [9 - (3 \div 3) + (4 - 12 \div 2)]$

5. Add. (8 marks)

a) $\frac{3}{8} + \frac{6}{8}$

b) $\frac{1}{3} + \frac{3}{5}$

c) $\frac{2}{3} + (-3)$

6. Subtract. (8 marks)

a) $\frac{9}{4} - \frac{7}{4}$

b) $3\frac{1}{3} - 1\frac{2}{3}$

c) $1\frac{1}{2} - \left(-\frac{3}{7}\right)$

7. Multiply or divide. (8 marks)

a) $\frac{1}{9} \times \left(-\frac{2}{6}\right)$

b) $-\frac{3}{5} \div 3\frac{1}{3}$

c) $1\frac{3}{5} \div 2$

8. Beth has answered the following order of operations question *incorrectly*. Circle the two major errors she made and explain what she did wrong. Then, show how to solve it correctly! (8 marks)

Beth's Incorrect Solution

What did Beth do wrong?

Your Correct Solution!

$$\begin{aligned} & 3^2 + (5 - 2 \times 2) \\ &= 6 + (5 - 2 \times 2) \\ &= 6 + (3 \times 2) \\ &= 6 + 6 \\ &= 12 \end{aligned}$$

$$3^2 + (5 - 2 \times 2)$$

Answers:

1)i 2a)-10 b)-15 c)-11 d)-20 3)253.29 4a)17 b)-25 c)15

5a)9/8 b)14/15 c)-7/3 6a)1/2 b)2/3 c)27/14 7a)-1/27 b)-9/50

c)4/5 8. Mistakes: 3 squared is 9 and she subtracted before multiplying answer should be 10