

**Baldivis**
Secondary College**Yr7 Mini Test 1 2018**

This test is Calculator Free

/37

Marks Available: 37 marks**Time Allowed: 30 minutes**

1. (6 marks)

Show using $<$ and $>$ which number is bigger;

a) $9 < 10$ ✓

b) $-5 < 5$ ✓

c) $-22 > -32$ ✓

d) $0 > -4$ ✓

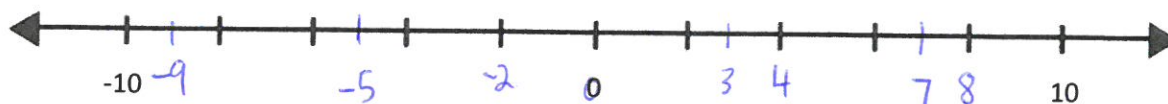
e) $3 > -2$ ✓

f) $-16 > -25$ ✓

2. (4 marks)

Put the following integers on the number line

a) -5, 4, -2, 7, 0, 8, -9, 3

*($\frac{1}{2}$ mark each)*

3. (6 marks)

Solve the following

a) $5 + 7 = \underline{12}$

b) $-6 + 2 = \underline{-4}$

c) $9 - 12 = \underline{-3}$

d) $-12 - -6 = \underline{-6}$

e) $-15 + -3 = \underline{-18}$

f) $-3 + -2 - -5 = \underline{0}$

4. (2, 2, 3 = 7 marks)

Solve the following

a) $5 + 4 \times 3 =$

$5 + 12 \checkmark$

$= 17 \checkmark$

b) $15 \div 5 \times 7 =$

$3 \times 7 \checkmark$

$21 \checkmark$

c) $(6 - -3) \times 4 + 2 =$

$9 \times 4 + 2 \checkmark$

$36 + 2 \checkmark$

$38 \checkmark$

5. (1 marks)

Insert any brackets to make the following correct

$(4 + 5) \times 2 - 1 = 17$

6. (6 marks)

Write whether these equations are TRUE or FALSE

a) $6 + 7 = 7 + 6$

T

b) $10 - 4 = 4 - 10$

F

c) $(6 + 8) \times 5 = 5 \times 6 + 5 \times 8$

T

d) $14 \div 2 = 2 \div 14$

F

e) $(7 - 5) - 3 = 7 - (5 - 3)$

F

f) $(3 + 12) + 2 = 3 + (12 + 2)$

T

7. (1 mark)

CIRCLE which of the following best describe $(5 + 4) + 6 = (6 + 4) + 5$

a) *Commutative Law*

b) *Distributive Law*

c) *Associative Law*

d) *These laws don't apply to subtraction*

8. (2 marks)

Circle which of the following is the best way to multiply 138×42 numbers AND explain why you chose that?

140×40

$(138 \times 40) + (138 \times 2)$ ✓

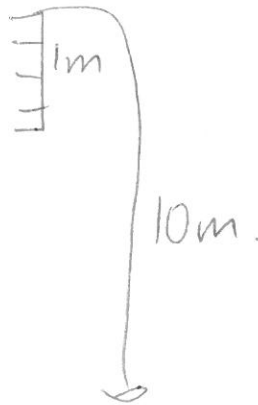
example.



Use the distributive
law to break 42
into tens and
ones

9. (2 marks)

A farmer lowers a bucket from the top of a 1m high well using a 10m rope attached to the handle. If she lowers the whole length of rope, how far below the ground does the bucket reach?



$$1 - 10 = -9\text{m}$$

below ground!

10. (2 marks)

The temperature at sunrise in Russia was -5°C . During the day the temperature rose 9°C and then dropped by 12°C at 7pm. What is the temperature at 7pm?

$$-5 + 9 - 12$$

$$= -8^{\circ}\text{C}$$

$$-\frac{1}{2}$$

lose half
mark
if they
don't write.
 $^{\circ}\text{C}$

End of Test 😊