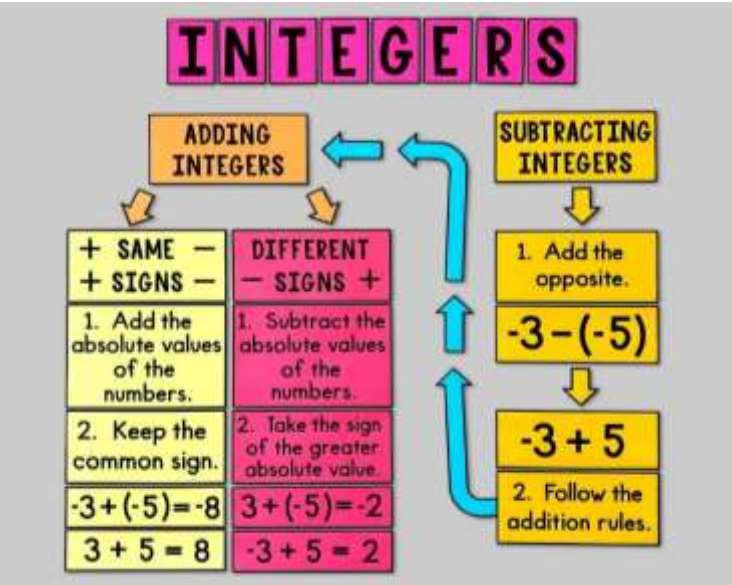
Greek Orthodox Patriarchate School
International - Fuhies

Greek Orthodox Patriarchate School
International - Fuhies

Worksheet

Name:		Subject:	Math- Integers Practice worksheet
Class:	Grade 5 (A, B)	Date:	

Adding and subtracting integers



Q1) Find the value of the following:

3 + (-8) = -5	(-9) - (-4) = -5	7 - 5 = 2
6 - (-4) = 10	(-4) - (-2) = -2	(-4) - 10 = -14
6 - 5 = 1	(-2) - 5 = -7	(-2) - 7 = -9
(-8) + (-2) = -10	8 + 6 = 14	(-9) + 10 = 1
8 + (-10) = -2	2 - (-10) = 12	8 - 5 = 3
8 - (-2) = 10	1 - (-7) = 8	4 + 2 = 6

Q2) Find the value of the following:

12 + (-3) = 9

1 + (-3) = -2

(-8) + 2 = -6

(-8) + (-2) = -10

(-4) + (-1) = -5

5 + (-1) = 4

5 + (-7) = -2

2 + (-5) = -3

9 + (-6) = 3

6 + (-7) = -1

0 + (-3) = -3

(-6) + (-3) = -9

(-4) + 4 = 0

(-8) + 4 = -4

(-10) + 7 = -3

(-1) + 9 = 8

(-4) + 2 = -2

(-2) + 2 = 0

10 + (-3) = 7

12 + (-7) = 5

Q3) April 2024 P1

Write a number in the box to make the calculation correct.

$$\boxed{-8} - 12 = -20$$

*******Finding the difference between two integers means**

Bigger – smaller

Q4) Find the difference between the following:

a) 4 and – 4 4 - - 4 = 8

b) – 3 and 8 8 - - 3 = 11

c) 8 and – 12 8 - - 12 = 20

d) -2 and – 6 -2- - 6 = 4

e) 12 and 24 24-12=12

f) -9 and – 3 -3--9= 6

g) – 10 and 5 5--10=15

*circle the bigger number then calculate it using the formula
Difference = Bigger number - smaller number

**Important Note: the difference means the number of jumps (distance between the two numbers on the number line so it can't be negative.

Q5)

The table shows information about the highest and lowest temperatures recorded in Ottawa in 2021.

Month	Highest temperature	Lowest temperature	difference
January	–5°	–14°	-5--14=9
February	–3°	–10°	-3--10=7
March	2°	–7°	2--7=9
April	11°	1°	11-1=10
May	19°	8°	19-8=11
June	24°	12°	24-12=12

Write the names of the two months which have the same difference between their highest and lowest temperatures.

January and March [1]

Q6) April 2023 P1

Here are two negative numbers.

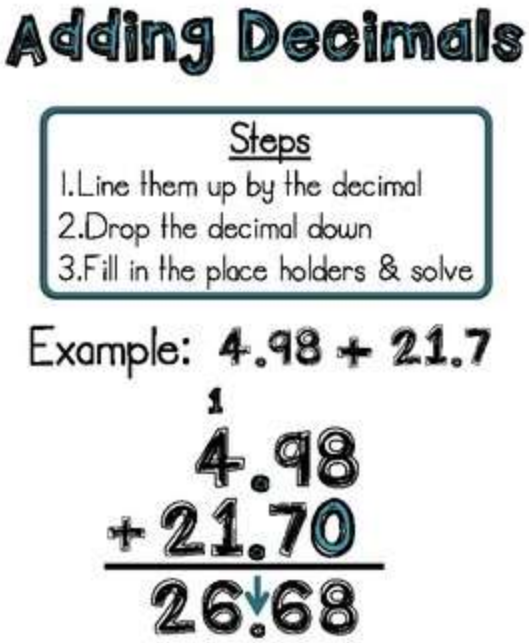
–25	–10

Add the two numbers.

Write the answer. -25+-10=-35

-35 [1]

Adding and subtracting decimals



Q1) Calculate the following.

a) 12.9 + 7.25=

12.90
+7.25
20.15

b) 39.569 + 18=

39.569
+ 18.000
57.569

c) 67.26 + 0.843=

67.260
+0.843
68.103

d) 78 + 82.071

78.000
+ 82.071
160.071

Q2) Calculate the following.

a) **89.36 – 18.24=** 71.12

89.36
− 18.24
71.12

b) **71.23 - 53.11=** 18.12

6 11
~~71~~.23
- 53.11
18.12

c) **24.36 -18.45=** 5.91

1 13 13
~~24~~.~~3~~6
- 18.45
5.91

d) **25 – 16.45=** 8.55

1 14 9 10
~~25~~.~~0~~0
16.45
8.55

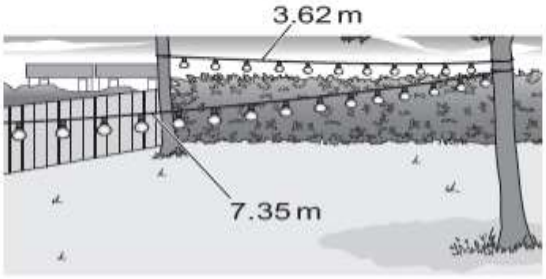
e) **63.4 – 15.39=** 48.01

5 13 3 10
~~63~~.~~4~~0
15.39
48.01

Q3) April 2024 p1

Angelique decorates her garden with two sets of lights.

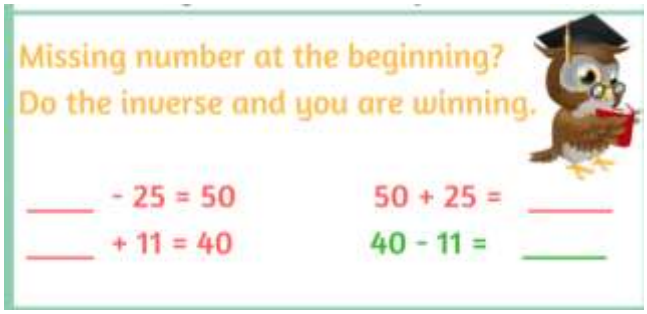
One set of lights has a length of 7.35 metres.
The other set of lights has a length of 3.62 metres.

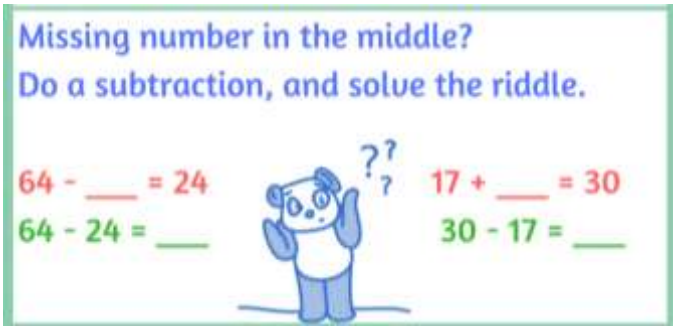


3.62
+ 7.35
10.97

Calculate the **total** length of the two sets of lights.

10.97 ..... metres [1]





Q4) April 2023 p1

Missing number in the middle ------ middle means minus
Missing number in the front ---- front means opposite operation

Complete.

(a) 141.56 + 13.213 = 154.213

[1]

(b) 17.512 − 13.212 = 4.3

[1]

Q5) progression test 2025 p1

Write a number in each box to make the statement correct.

1.5 + 1.1 + 4 = 6.6

the sum of two boxes must be
6.6-1.5= 5.1
any two answers have the total of 5.1 is correct

[1]

Q6) Write the missing numbers to make each statement correct.

a) 100.98 - 52.2 = 48.78

c) 28.94 + 25.3 = 54.24

b) 10.23 - 2.98 = 7.25

d) 63.98 + 28.58 = 92.56

Q7) April 2023 p1

Calculate.

$$32.723 + \frac{60}{1000}$$

32.723+0.06

32.783 [1]

Q8) April 2025 P 1

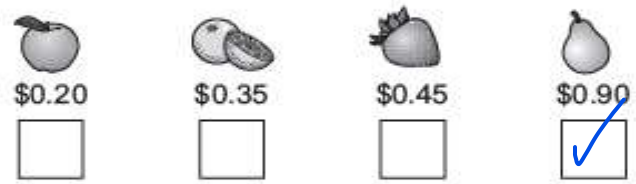
Oliver buys **two** different types of fruit.

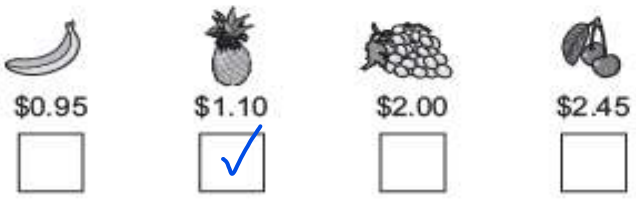
He buys 10 of each type of fruit.

He spends exactly $20

Tick (✓) the **two** types of fruit he buys.

1.1+0.9=2
2x10=20





[1]

Revision for decimal complements of 1

0.1+0.9=1
0.2+0.8=1
0.3+0.7=1
0.4+0.6=1
0.5+0.5=1

Unknown quantities

Q1) Work out the correct value of the picture in these number statements.

Tick the correct answer.


+ 5c = 15c


- [ ] = 5c
- [x] = 10c
- [ ] = 15c


- 
= 5c

10


- [ ] = 5c
- [ ] = 10c
- [x] = 15c


+ 
= 35c

15


- [x] = 20c
- [ ] = 25c
- [ ] = 30c


+ 
= 55c

20

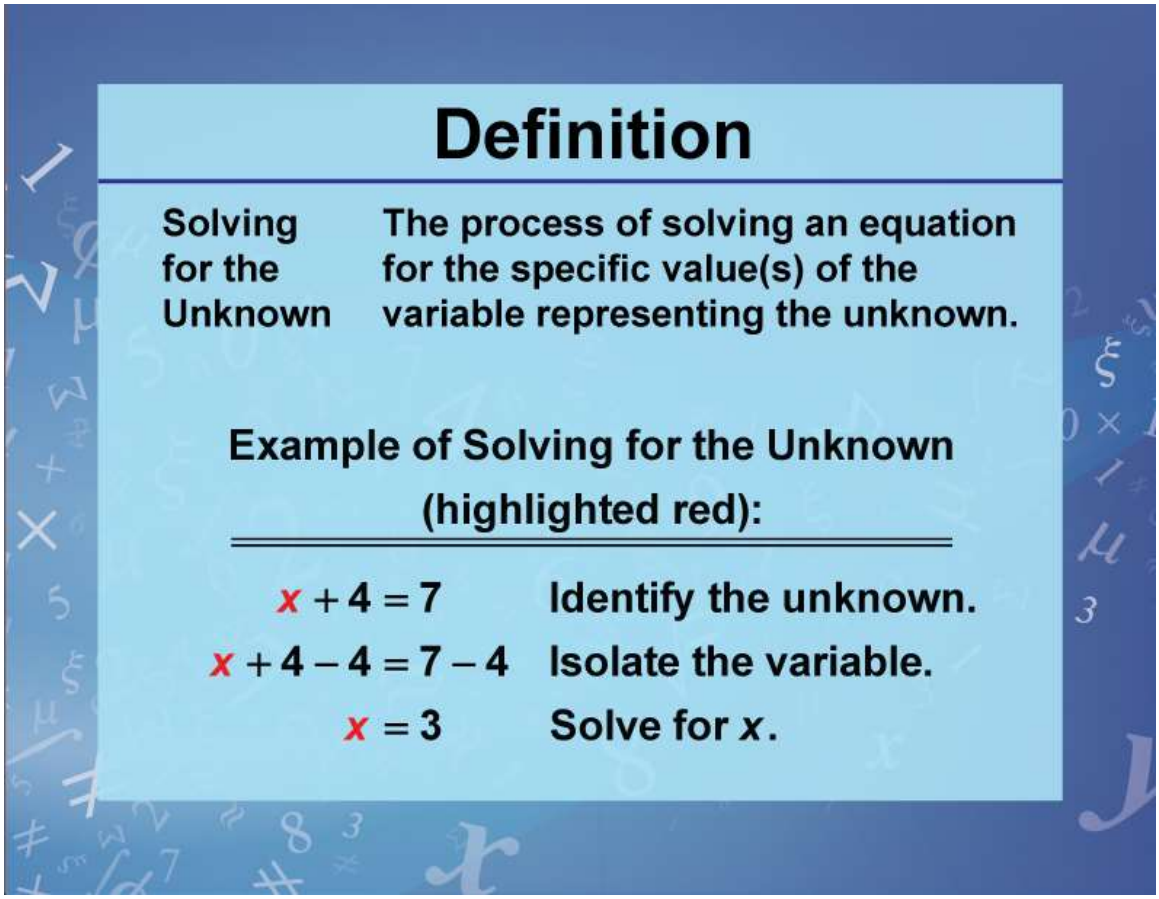

- [ ] = 25c
- [ ] = 30c
- [x] = 35c

Q2) Here is a grid with two symbols.

○	○	○ 4	12
○	△	○ 4	13
△	△	△ 5	15
13	14	13	

Each symbol represents a whole number.
The totals of each of the columns and two of the rows are shown.

Complete the missing row total.



Q3) Find the value of the variable x in each of the following:

X – 4 = 12 **X=** 16

+4 +4

X + 51 = 103 **X=** 52

-51 -51

X – 12 = 17 **X=** 29

+12 +12

X + 32 = 68 **X=** 36

-32 -32

X + 19 = 37 **X=** 18

-19 -19

Q4) Answer the following.

If you were given the following expression

here we substitute the value of Y we replace Y with the given value without changing the order

Y – 20

50-20=30

Find the value of the expression when Y = 50.

30

If you were given the following expression

Y + 32

4+32= 36

Find the value of the expression when Y = 4.

36

If you were given the following expression

X + Y

34+20

Find the value of the expression when X= 34, Y = 20.

54

Q5) **(a)** Pierre has some red balls and some white balls in a bag.

R represents the number of red balls.
W represents the number of white balls.

Write the value of W when R + W = 16 **and** R = 5

5+w=16

-5 -5

w=11

11

(b) Carlos has some green balls, some blue balls and some yellow balls in a different bag.

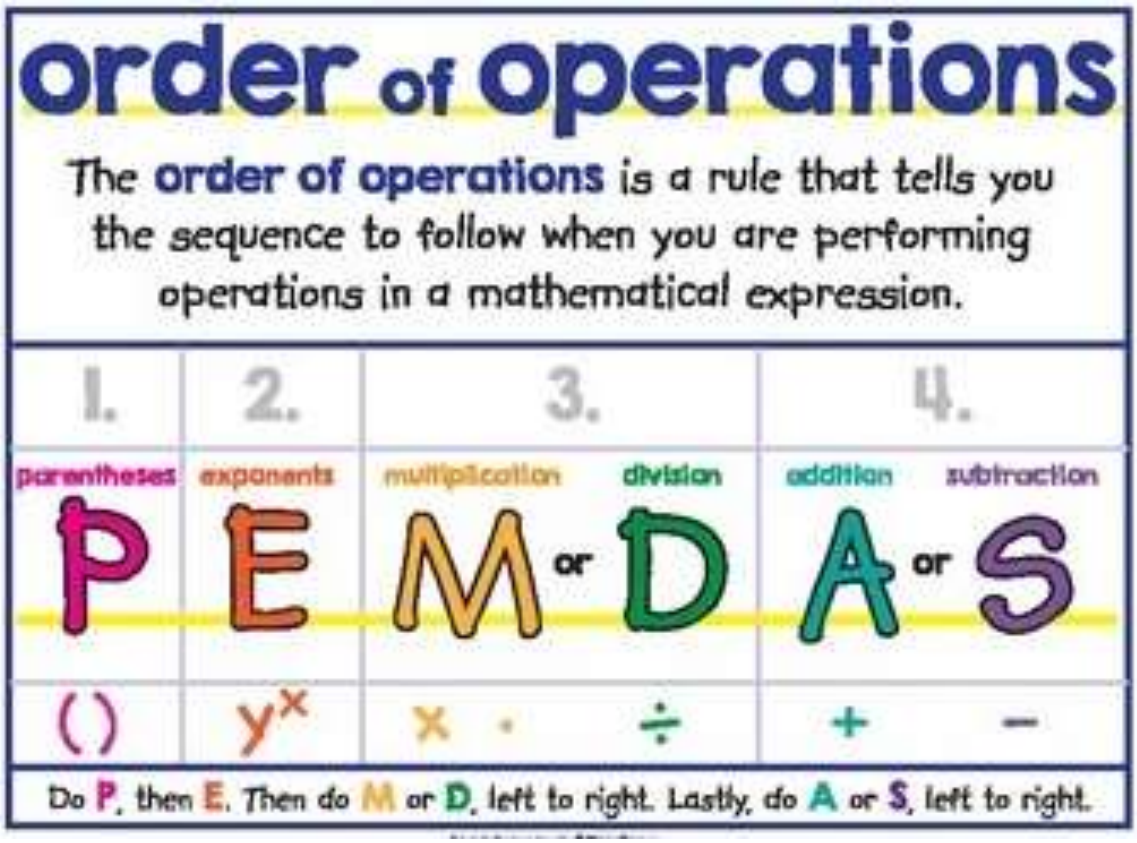
G represents the number of green balls.
B represents the number of blue balls.
Y represents the number of yellow balls.

Write the number of green balls in the bag when B = Y **and** G = B + Y **and** B = 5

G= 5+5=10

10 balls

Order of operations



Q1) Find the value of the following.

72 − 10 ÷ 2 x (3 x 4) =

72-10÷2 x 12 =

72- 5 x12=

72-60=12

(5 x 2) + (3 x 6)=

10+(3x6)=

10+18=28

16 ÷ 2 x 7 =

8x7=56

6 x 2 + 9 ÷ 3 =

12+9÷3=

12+3=15

(8 ÷2) + (1 x 3)=

4+(1x3)

4+3=7

9 - 5 + 6 ÷ 3=

9-5+2=

4+2=6

Q2) Find the value of the following.

$14 + (8 \times 7) + (5 \times 6) =$ 100

14+56+(5x6)

14+56+30=
70+30=100

$2 \times 12 + 25 \times 4 - 24 =$ 100

24+25x4-24=
24+100-24
124-24=100

$4 \times (17 + 3) + 7 \times 3 =$ 101

4x20+7x3
80+7x3=
80+21=101

$0 \times (15 - 7) + 20 \times 5 =$ 100

0x8+20x5
0+20x5
0+100=100

$40 \div 8 \times (10 - 3) =$ 35

40 ÷8 x7=
5x7=35

Q3) Work out

$5^2 + 2^2 - 3 \times 5 =$ 14

25+2²-3x5=
25+4-3x5=
25+4-15=
29-15=14

Q3) April 2023 P1

Calculate.

(a) 75 × 5 × 2 + 65

375x2+65
750+65=815

815 [1]

(b) 8 + (3 + 2) × 7

8+5x7
8+35=43

43 [1]

Q5) April 2023 p2

Samira writes,

35 – 20 ÷ 5 = 3

Samira has made an error.

Explain her error.

Samira solve this from lest to right but this is wrong she must start with division first because division has higher priority than subtraction [1]

Q6)

(a) Here are three symbols.

+	×	×

Write down the correct symbols to make the statement true.

5 [x] (4 [+] 3 [x] 2) = 50

[1]

(b) Insert **one** pair of brackets to make the calculation correct.

7 + 5 × (1 + 3) – 4 = 23

[1]

Q7)

(a) Calculate.

$2 \times (4 + 1)$

2×5

10 ..... [1]

(b) Write one pair of brackets to make this calculation correct.

$(2 + 4) \times 3 = 18$

[1]