Gym

This problem gives you the chance to:
- select relevant data and operations
- solve a practical money problem

Carlo wants to join a gym.

The gym offers three membership options.

<div>

Pay as you go
Pay only $6 each time you work out

Regular deal
Pay $50 a month and $2 each time you work out

All-in-one price!
Pay just $100 per month for unlimited use of our great facilities

</div>

(handwritten work)
20
× 6
120

12
50
6000
240
6240

20
× 12
40
200

1. Carlo thinks he will go to the gym about 20 times a month.
Calculate how much each of these options would cost Carlo for one month.

Pay as you go $120.60 ✗

Regular deal $90.00 ✓

All-in-one price $100.00 ✓

Which of these options is the least expensive for Carlo?   regular deal

(handwritten score: 2)

2. How many visits each month would make the cost of the **Regular deal** and the **All-in-one price** the same?

100   90   90   90   90   150   X
x3   x3   x4   10   x60
300   270   360   900   5400

Explain how you figured it out.

Well i did 9x3 and that didn't end with a zero so i kept on times stuff by nine until a zero was at the end

3. It costs $300 to join the new Superfit Gym. You then pay $15 each month and $2 each time you work out. Carlo thinks he will use the gym about 20 times each month for a year.

12   365   730   15   50
20   x2   x12
1400   730   36

Calculate the cost of using the Superfit Gym for one year.

$240 40   X

How much will Carlo save during the first year if he uses the Superfit Gym rather than the Regular deal at the other gym?

$4400

Show your work.

240
1840
4400

1400
x 2
1800

Gym   Test 6: Form A

Gym

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1. Carlo thinks he will go to the gym about 20 times a month.
Calculate how much each of these options would cost Carlo for one month.

Pay as you go $ 120 ✓

Regular deal $ 90 ✓

All-in-one price \($ 100 ✓
                                      ✓
Which of these options is the least expensive for Carlo?   Regular Deal

3

```
 100
x 12
─────
1200
```

```
 $100
 x 20
─────
 $780
```

2. How many visits each month would make the cost of the Regular deal and the All-in-one price the same?

25 times ✓

Explain how you figured it out.

50 + 40 would equal 90. If you want it to equal 100 it would be 50+50 so 50÷2 = 25.

3. It costs $300 to join the new Superfit Gym. You then pay $15 each month and $2 each time you work out. Carlo thinks he will use the gym about 20 times each month for a year.

Calculate the cost of using the Superfit Gym for one year. $520 X   0

How much will Carlo save during the first year if he uses the Superfit Gym rather than the Regular deal at the other gym?

$780 X   0

Show your work.

X   0

```
 300        15         20
 180       x12        x 2
+40        ---        ---
-----      180         40
$520
```

⑤

■

Gym

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facilities

1. Carlo thinks he will go to the gym about 20 times a month.
Calculate how much each of these options would cost Carlo for one month.

Pay as you go $6 \times 20 = 120$ $\underline{120}$ ✓

Regular deal $(50 \times 30)(2 \times 30) =$ $\underline{90}$ ✓

All-in-one price $\underline{100}$ ✓   3

Which of these options is the least expensive for Carlo?   Regular deal ✓

✓

2. How many visits each month would make the cost of the **Regular deal** and the **All-in-one price** the same?

[handwritten] 100   -50 +2   25 ✓
2×25=50
50 + 50 = 100

Explain how you figured it out.

[handwritten] All in one Price is 100 and $50 a month Plus $2 every visit. Then 2×25 = 50 + 50 = 100.

3. It costs $300 to join the new Superfit Gym. You then pay $15 each month and $2 each time you work out. Carlo thinks he will use the gym about 20 times each month for a year.

[handwritten] + 300   365
730   732
180

300 + $15   180   1210 ✗   6

Calculate the cost of using the Superfit Gym for one year.

[handwritten] ×12   30   30

How much will Carlo save during the first year if he uses the Superfit Gym rather than the Regular deal at the other gym?

[handwritten] 1210 $120 ✓   1

Show your work.

[handwritten]
50   2
12
100   600   1330
50   230   1210
1338   120
10
+306   300 + $15   180
730   12
190   156
1210   1210
120   0

Gym

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Perisb

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facilities

1. Carlo thinks he will go to the gym about 20 times a month.
Calculate how much each of these options would cost Carlo for one month.

Pay as you go $ 120.00 ✓

Regular deal $ 90.00 ✓

All-in-one price $100 = 1 month $ 100.00 ✓

Which of these options is the least expensive for Carlo?   Regular Deal

3

Gym   Test 6: Form A

2. How many visits each month would make the cost of the **Regular deal** and the **All-in-one price** the same?

_25_ ✓ | 1

Explain how you figured it out.

For all-in-one price is only to pay 100 dollars a month, so that would = 100 dollars. For the Regular Deal you pay $50 a month, and $2 every time you work at, 50÷2=25 so 25x2= 50, 50+50 = 100

| 1

3. It costs $300 to join the new Superfit Gym. You then pay $15 each month and $2 each time you work out. Carlo thinks he will use the gym about 20 times each month for a year.

Calculate the cost of using the Superfit Gym for one year.

_$960_ ✓ | 1

How much will Carlo save during the first year if he uses the Superfit Gym rather than the Regular deal at the other gym?

_$120_ ✓ | 1

Show your work.

115   15   240   90
×12   ×12   2   ×12
3 0   2 0   480   180
+15   240   +900
180   -480   1080
300   +480
$480   960   ✓

1080
- 960
$120

| 1

⑧

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All-in-one price!
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1. Carlo thinks he will go to the gym about 20 times a month.
Calculate how much each of these options would cost Carlo for one month.

Pay as you go $ _120_ ✓

Regular deal $ _90_ ✓

All-in-one price $ _100_ ✓

Which of these options is the least expensive for Carlo?   Regular deal ✓ 3

$$
\begin{array}{r} 20 \\ \times 6 \\ \hline 120 \end{array}
$$

$$
\begin{array}{r} 20 \\ \times 2 \\ \hline 40 \end{array}
$$

$$
\begin{array}{r} 50 \\ +40 \\ \hline 90 \end{array}
$$

2. How many visits each month would make the cost of the **Regular deal** and the **All-in-one price** the same?

25 ✓ 1

Explain how you figured it out.

I ff the All-in-one deal is $100 and you have to pay $50 as a start for the regular deal you have to visit 25 time because 25×2=50 so say

1

3. It costs $300 to join the new Superfit Gym. You then pay $15 each month and $2 each time you work out. Carlo thinks he will use the gym about 20 times each month for a year.

Calculate the cost of using the Superfit Gym for one year.

$960 ✓ 1

How much will Carlo save during the first year if he uses the Superfit Gym rather than the Regular deal at the other gym?

$60 ✗ 0

Show your work.

```
  1
 15    20      180,480,300          0
x12    12
 30    40                            ✗
150   200
180   240        1          90
      x 2       300          12
      480        180        180
                 480        900
 90             ————       1080
 12              960       ————
180                        1080
900
```

Gym   Test 6: Form A

Gym

This problem gives you the chance to:
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8/29/0?
Per. 6

Carlo wants to join a gym.

The gym offers three membership options.

Regular deal
Pay $50 a month and $2 each time you work out

Pay as you go
Pay only $6 each time you work out

All-in-one price!
Pay just $100 per month for unlimited use of our great facilities

Regular deal 50
20
×2   +40
40   90

Pay as you
20   80!
× 6
120

1. Carlo thinks he will go to the gym about 20 times a month.
Calculate how much each of these options would cost Carlo for one month.

Pay as you go $ 120 ✓

Regular deal $ 90 ✓

All-in-one price $ 100 ✓

Which of these options is the least expensive for Carlo?

Regular deal 3 ✓

Gym   Test 6: Form A

2. How many visits each month would make the cost of the Regular deal and the All-in-one price the same?

20 visits a month ✓

Explain how you figured it out.

I Know that you would pay $90 a month for Regular deal and $180 for 2 months. That is to much, so I trayed 20 days and that was to small, then 24 days to small, and then 25 and I go $100.

3. It costs $300 to join the new Superfit Gym. You then pay $15 each month and $2 each time you work out. Carlo thinks he will use the gym about 20 times each month for a year.

Calculate the cost of using the Superfit Gym for one year. _____

How much will Carlo save during the first year if he uses the Superfit Gym rather than the Regular deal at the other gym? _____

Show your work.

20 tms
x12 day in ay
40
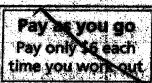20
240 visit
$15 0

15
18

⑤

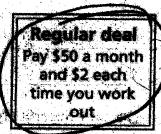Gym   Test 6: Form A

Gym

This problem gives you the chance to:
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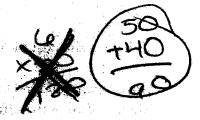Carlo wants to join a gym.

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Pay as you go
Pay only $6 each time you work out

Regular deal
Pay $50 a month and $2 each time you work out

All-in-one price!
Pay just $100 per month for unlimited use of our great facilities

(handwritten, circled): x 6 ... 50 +40 / 90

1. Carlo thinks he will go to the gym about 20 times a month.
Calculate how much each of these options would cost Carlo for one month.

Pay as you go $ 120.00 ✓

Regular deal $ 90.00 ✓

All-in-one price $ 100.00 ✓

Which of these options is the least expensive for Carlo?   regular deal ✓

(handwritten): 3

2. How many visits each month would make the cost of the Regular deal and the ✓
All-in-one price the same?

25 visits 1

Explain how you figured it out.

I looked at how many visits it would be
normally and it was 20. I divided 10 by 2
and got 5. Which means that he would have
to go 5 more times which equals 25.

1

3. It costs $300 to join the new Superfit Gym. You then pay $15 each month and $2 each time you work out. Carlo thinks he will use the gym about 20 times each month for a year.

Calculate the cost of using the Superfit Gym for one year. $960.°° ✓   1

How much will Carlo save during the first year if he uses the Superfit Gym rather than the Regular deal at the other gym?

$336.°° ✗   0

Show your work.

0

$$
\begin{array}{r}
20 \\
\times 12 \\
\hline
40 \\
+200 \\
\hline
240 \text{ visits}
\end{array}
$$

$$
\begin{array}{r}
1 \\
300.00 \\
+180.00 \\
\hline
480.00 \\
\hline
960.00
\end{array}
$$

$$
\begin{array}{r}
600 \\
+24 \\
\hline
624.50 \\
\times 12 \\
\hline
100 \\
+500 \\
\hline
600
\end{array}
$$

$$
\begin{array}{r}
4 \\
15 \\
\times 12 \\
\hline
30 \\
+150 \\
\hline
180
\end{array}
$$

$$
\begin{array}{r}
240 \\
\times 2 \\
\hline
480
\end{array}
$$

$$
\begin{array}{r}
960.00 \\
-624.00 \\
\hline
336.00
\end{array}
$$
6

Gym   Test 8: Form A

Gym

This problem gives you the chance to:
- select relevant data and operations
- solve a practical money problem

Carlo wants to join a gym.

The gym offers three membership options.

Pay as you go
Pay only $6 each time you work out

Regular deal
Pay $50 a month and $2 each time you work out

All-in-one price!
Pay just $100 per month for unlimited use of our great facilities

$$20 \times 6 = 120$$

$$\begin{array}{r} \$50 \\ \times \$40 \\ \hline \$90 \end{array}$$

1. Carlo thinks he will go to the gym about 20 times a month.
Calculate how much each of these options would cost Carlo for one month.

Pay as you go $ 120 ✓

Regular deal $ 90 ✓

All-in-one price $ 100 ✓

Which of these options is the least expensive for Carlo?   Regular deal   3

2. How many visits each month would make the cost of the Regular deal and the All-in-one price the same?

✓

25 times a month to make the Regular deal and the all in one price the same

Explain how you figured it out.

I looked at the All in one price and the regular deal and I thought in my head how many time he would have to go to match the two. It was 25 times a month to match the prices.

0

∧ 0

3. It costs $300 to join the new Superfit Gym. You then pay $15 each month and $2 each time you work out. Carlo thinks he will use the gym about 20 times each month for a year.

Calculate the cost of using the Superfit Gym for one year: $520 X 0

How much will Carlo save during the first year if he uses the Superfit Gym rather than the Regular deal at the other gym? $1080 X 0

Show your work.

X 0

```
 1
 300
+180
  40
 520
```

```
  1
  90
 x12
 1080
```

```
  1
  15
 x12
  30
  15
 180
```

④ ■

Gym   Test 6: Form A

Gym

This problem gives you the chance to:
- select relevant data and operations
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Carlo wants to join a gym.

The gym offers three membership options.

Regular deal
Pay $50 a month and $2 each time you work out

Pay as you go
Pay only $6 each time you work out

All-in-one price!
Pay just $100 per month for unlimited use of our great facilities

1. Carlo thinks he will go to the gym about 20 times a month.
Calculate how much each of these options would cost Carlo for one month.

Pay as you go $ _120_ ✓

Regular deal $ _1,040_ ✗

All-in-one price $ _2000_ ✗

Which of these options is the least expensive for Carlo?

pay as yogo

(1)

Gym   Test 6: Form A

2. How many visits each month would make the cost of the **Regular deal** and the **All-in-one price** the same?

_____ 40 ✗ _____ O

Explain how you figured it out.

_____ guessed. _____ ✗ _____

_____ O

_____

_____

3. It costs $300 to join the new Superfit Gym. You then pay $15 each month and $2 each time you work out. Carlo thinks he will use the gym about 20 times each month for a year.

Calculate the cost of using the Superfit Gym for one year.

$~~~~ 4,056 ✗ O

How much will Carlo save during the first year if he uses the Superfit Gym rather than the Regular deal at the other gym?

$ 8,424 ✗ O

Show your work.

✗

12480

Gym   Test 6: Form A